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TORONTO AREA WATERSHED MANAGEMENT STRATEGY STUDY

TECHNICAL REPORT #2

INTERIM REPORT ON HUMBER RIVER AND TORONTO AREA WATER QUALITY



Toronto Area Watershed Management Strategy Study

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Prepared For The

ONTARIO MINISTRY OF THE ENVIRONMENT

by

Acres Consulting Services Ltd.





Ministry of the Environment 135 St. Clair Avenue W Suite 100 Toronto, Ontario M4V 1P5

Attention: Mr. D. Weatherbe

Dear Mr. Weatherbe:

Interim Report on Humber River and Toronto Area Water Quality

We are pleased to submit our Interim Report for the TAWMS program Part 2 on Humber River and Toronto Area Water Quality.

This report documents the fall 1982 field sampling program and interpretation of the water quality results from that program. At the time of writing this report, analytical data were unavailable for the sediment and biological tissues and for the spring 1983 field program. Ongoing interpretation of these more recent data is now underway and the results from this interpretation will form part of our final report.

During the course of this work we have received extensive input from the Water Resources Branch and would like to take this opportunity to thank those involved for their cooperation.

Yours very truly,

LAS: jat

I. K. Will Project Manager



ACKNOWLEDGMENTS

Acres wishes to acknowledge the assistance provided by the Ministry of Environment (MOE) Water Resources Branch, who, through their appointed liaison officer, Mr. Z. Novak, provided constant and valuable input to the study planning and direction. Mr. B. Whitehead and Mr. A. Bacchus of MOE also made a major contribution to the field sampling effort as well as acted as liaison with other government agencies for the collection of historical data and laboratory analytical results.

We also wish to acknowledge the cooperation and input received from the Water Survey of Canada and the Metro Toronto and Region Conservation Authority. Land-use data was made available by Gartner Lee Associates, who are undertaking a separate project for the TAWMS study.

In subcontractual arrangements, Underwood McClellan Limited provided valuable field assistance and the space required for the field operations center, while LIMNOS executed the biological aspects of the sampling program.

All chemical analysis were carried out by the Laboratory Services and Applied Research Branch of the MOE.

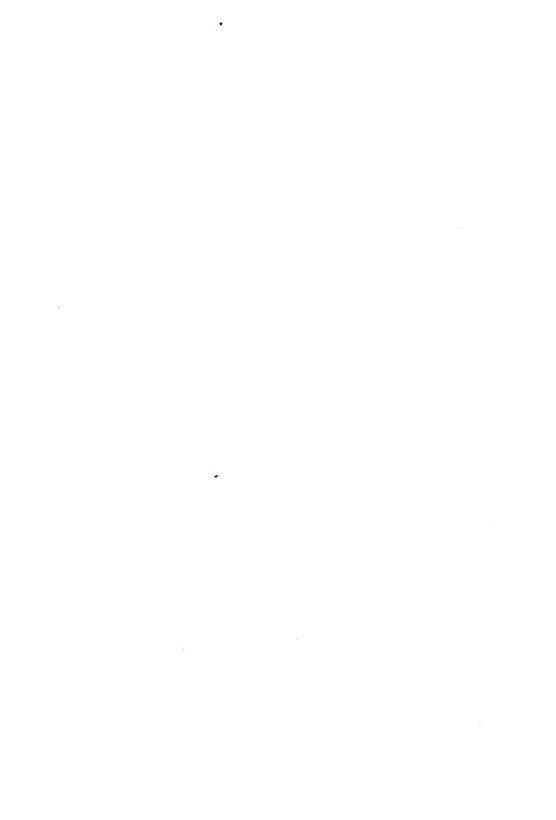


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INTRODUCTION

The five-year Toronto Area Watershed Management Strategy Study (TAWMS) was initiated in 1981 by the Ministry of the Environment (MOE). Although wholly funded and managed by MOE, TAWMS receives extensive cooperation and support from the Metropolitan Toronto and Region Conservation Authority (MTRCA) and from the boroughs and cities of the Municipality of Metropolitan Toronto. This multi-agency approach is vital to the success of the project and to the implementation of study recommendations.

The study's overall goal is to produce a comprehensive water quality management plan for the Toronto area watersheds, with particular emphasis on the Don and Humber rivers and Mimico Creek. To fulfill this goal, three specific objectives have been defined. They are

- to better define water quality conditions within the study area
- to carry out detailed analysis of selected subwatersheds and to conduct demonstrations of suitable remedial measures to reduce pollutant loadings to receiving waters
- to develop cost effective measures for controlling pollutant loadings to the study area's receiving waters based on watershed needs and/or uses.

In 1981, TAWMS was directed toward a closer definition of existing water quality conditions within the study area. The work relied heavily on historical and water quality data collected through the routine sampling programs of MOE and other agencies. Use was also made of information from a limited sampling program undertaken by TAWMS in 1981 to supplement the routine data base. The results of this first year's problem definition study are reported in the Interim Report dated April 1983*. The activities proposed for the 1982 to 1986 TAWMS program are reproduced below.

_ 1

^{*}Ministry of the Environment. Toronto Area Watershed Management Strategy Study Interim Report on Toronto Area Water Quality, April 1983.

- (a) The water quality in the rivers was observed to oe worse in urbanized areas, so the 1982 TAWMS activities will focus on those portions of the Don and Humber rivers and Mimico Creek basins within Metropolitan Toronto boundaries (i.e., south of Steeles Avenue).
- (b) Particular attention will be directed to further study of pollutants which are of most concern for public health reasons (e.g., bacteria), of those which are most persistent in aquatic systems (e.g., trace organic compounds), and those whose distribution and severity of contamination in the study area are least well known (e.g., trace organics and heavy metals).
- (c) The 1982 TAWMS activities will be divided into "source" studies of outfalls and other sources of contamination and studies of the receiving stream waters. All TAWMS activities in the watersheds will be coordinated with ongoing waterfront monitoring programs.
- (d) Research efforts will be directed primarily to the abatement of water quality problems. Urban stormwater runoff, combined sewer overflows and sewage treatment plant effluents appear to have particular significance in the impairment of receiving stream water quality, especially with respect to bacteria, nutrients and heavy metals.
- (e) Water quality sampling programs will be designed to monitor and characterize sources such as storm flows, spring runoff from snowmelt, and individual effluents. In particular, a comprehensive effort will be undertaken to pair water quality sampling with hydrologic sampling under a variety of flow conditions to evaluate loadings of pollutants as well as their instantaneous concentrations at a particular location. This will aid in assessing the relative importance of each source in determining receiving water quality.

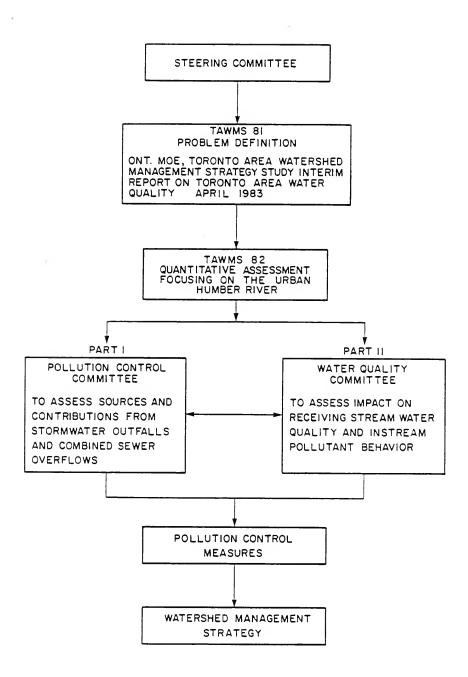
These proposed activities were translated into a work program designed to satisfy the second TAWMS objective. In 1982, two technical working groups, the Pollution Control Committee (PCC) and the Water Quality

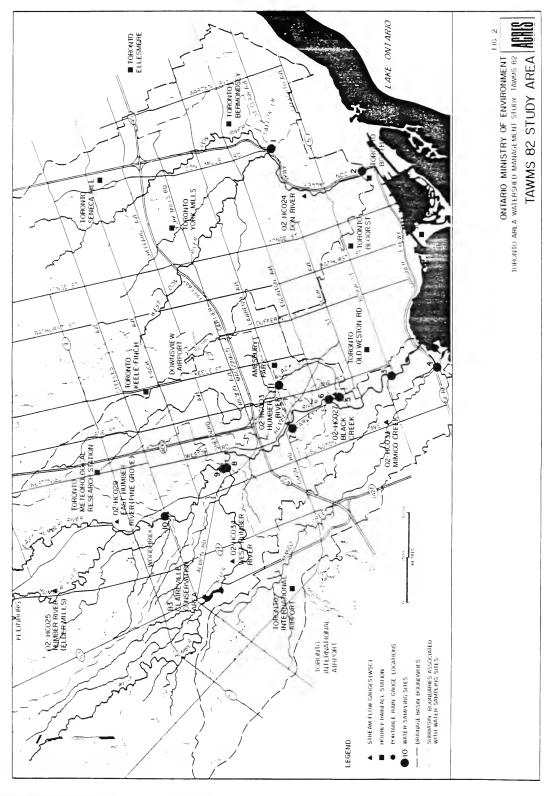
Committee (WQC) were established to direct the work program. The role of the PCC is to investigate the pollutant sources associated with urban discharges from storm sewer outfalls and combined sewer overflows. The functions of the WQC is to assess the impact of these urban contributions on the receiving stream water quality and to study instream pollutant behavior.

Figure 1 indicates that both committees interact so as to ultimately develop cost effective pollutant control measures. This in turn will lead to the development of a watershed management strategy.

Major emphasis of the 1982 program was directed toward the Humber River watershed with a limited effort in the Don River and Mimico Creek watersheds. Resources were not available to permit the detailed level of analysis required for all of the watersheds. Detailed levels of work are planned however, for the remaining watersheds as TAWMS progresses.

This report describes part of the program carried out by the Water Quality Committee consistent with the proposed TAWMS activities in 1981. This effort focuses on the urban areas within Metropolitan. Toronto boundaries below Steeles Avenue. As many of the potential sources were expected to contribute contaminants only during rainfall events, the program examined water quality during dry weather and also during several rainfall periods. Figure 2 shows the study area. The work consisted of a field program and data interpretation that was supported by a mathematical modeling exercise.





2. FIELD PROGRAM

In the urbanized Humber River basin, major potential loadings to the river can come from combined sewer overflows, from storm water runoff via storm sewers, and from direct overland and groundwater flows. As detailed sampling of all these sources during storms is not practical, this program was designed to determine the input of these contributions from various urban subbasins to the receiving waters.

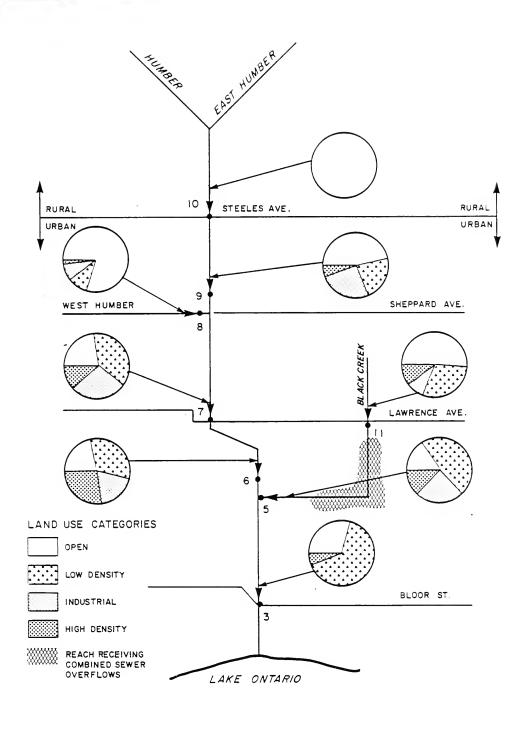
2.1 Monitoring Network

A field monitoring network was established on the Humber River, Don River, and Mimico Creek basins and a sampling program was carried out between October 5 and November 22, 1982. Figure 2 shows the locations of the individual sampling sites. River mouth stations were chosen on each of the three watersheds both for overall basin comparison, as well as for future calculation of annual loadings. One tributary to the Don (Taylor Creek) was also chosen because it was identified during the 1981 program as a major contributor of pollutants.

However, as emphasis was placed on the Humber River watershed, eight of the eleven sampling sites were located there. These were selected to reflect the subdrainage areas of the basin and to separate inputs from subbasins of differing land use or in recognition of sewage overflow systems or other readily identifiable sources.

A schematic of the Humber River sampling system showing the relative proportions of four broad land-use categories within each subbasin is shown in Figure 3. The actual percentages of each of these categories are provided in Table 1.

Site 10 was chosen to assess the background input from the predominantly rural watershed upstream from it. Increasing urbanization is seen progressively downstream from Steeles Avenue (Sites 9, 7, 6, 3). The controlled outflow from the West Humber was monitored at Site 8. The Black Creek subbasin was sampled at two sites (11 and 5), to distinguish the combined sewer overflow contribution from the generally urban and storm water sources.



ONTARIO MINISTRY OF ENVIRONMENT TORONTO AREA WATERSHED MANAGEMENT STUDY-TAWMS 82 SCHEMATIC OF HUMBER RIVER SUBBASINS

FIG. 3

Table 1: PERCENTAGE LAND USE BY CATEGORY*

Drainage	Land-Use Cate	gory**			Total***
Area***	Low Density	High Density	Industrial	0pen	Area
					(km ²)
10	0	0	0	100	570.5
9	22.0	5.8	24.7	47.5	26.5
8	9.6	1.7	8.5	80.2	221.2
7	37.7	11.2	27.7	23.4	14.9
6	32.3	27.0	19.3	21.4	15.2
11	30.8	10.4	8.1	50.7	50.4
5	48.0	12.8	24.1	15.1	14.7
3	64.4	6.2	0.2	29.2	12.0

Industrial - All classes of industry

^{*} Reported values are net for individual basins.

^{**} Low Density - low and medium residential (low impervious) High Density - high density residential, commercial and transportation (high impervious)

Open - rural, parks and utilities (high pervious).

^{***}Drainage area and total area refer to the area between sampling points draining to the numbered sampling point.

2.2 Methodology

At the stations noted in Figure 2, surface water quality samples were taken during two dry weather/low-flow periods and three rainfall/runoff periods. During each of the dry periods (October 5 and October 26, 1982) chosen to assess low-flow water quality conditions, single samples were taken at each site and analyzed for the parameters listed in Table 2.

Three wet weather periods were sampled to relate water quality to flow. During each of these events precipitation was measured and flow was estimated at each of the sampling sites using rated staff gauges installed specifically for this purpose. Water Survey of Canada (WSC) gauges were also monitored during the event periods. Rainfall and flow gauging stations within the study area are indicated in Figure 2.

Using the river stage to indicate flow conditions, samples were taken so as to describe the event hydrograph. For each event, a total of eight samples were analyzed for conventional water quality parameters and bacteria, four for inorganic parameters, and two for pesticides and organics, from each of the eleven sampling sites.

In addition to the water quality sampling, a single set of sediment samples were taken at twenty-two locations within the study area and analyzed for a variety of chemical constituents as well as for particle size distribution.*

To further contribute to the assessment of organic contaminants, biological tissues were also collected for analysis. Fish tissues were collected from locations on the Humber River and a clam bioaccumulation study was carried out at thirty-five sites within the study watersheds. These tissues were analyzed for pesticides and organics.*

^{*}Results of these analyses were not available for incorporation in this report.

Table 2:

Bacteriological Parameters

2,4,6 - Trichlorophenol (3246) Pentachlorophenol (PCPH)

Oxychlordane (OCHL) leptachlor (HEPT)

Mirex (MIRX)

Mercury Copper Nickel Lead Zinc

PCB, Total (PCBT) OP - DOT (OPDT)

> Fecal streptococci Fecal coliforms

Based on last 4 characters of the MOE Laboratory Information System (L1S). *Coded symbols used in Annex 1

2.3 Event Description

The three wet events sampled all occurred in the fall, the first on October 20 and the last on November 21. Typical hydrographs at representative sites are presented in Figures 4, 5 and 6. These figures show the hydrographs of the events observed in the field as derived from the Water Survey of Canada (WSC) gauges at Stations 2, 5 and 7* together with information on the duration of rainfall and the sampling period.

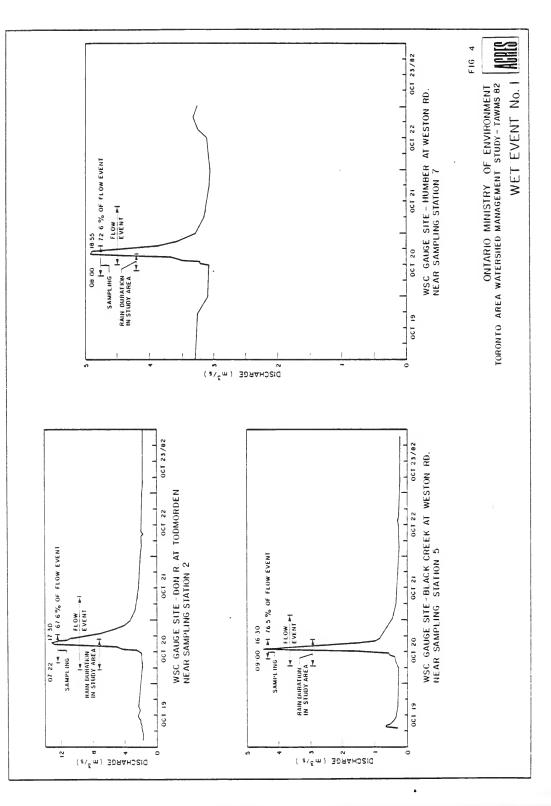
The first event was a small, well defined short rainfall event mainly in the lower part of the Humber River. The event was preceded by a long (>8-day) dry spell. Data from Site 10 show no impact on the river flow at this location indicating little rural runoff. Sampling was initiated prior to any rise in the hydrograph and continued through and beyond the peak. At stations on the main stem of the Humber the flow increase was quite modest as shown in the hydrograph for Site 7 where the increment above the base flow (of $3.2~\text{m}^3/\text{s}$) was about $1.8~\text{m}^3/\text{s}$.

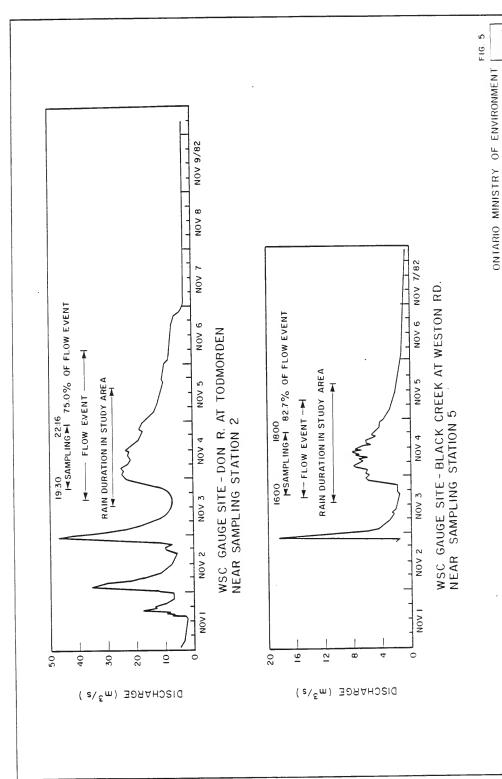
In the second event, the sampling period covered the initial runoff period and continued through the peak flow. In this case the sampled event had been preceded by a series of relatively intense but short duration storms with peak flows up to twice the peak of the sampled event. There was, therefore, no dry antecedent period. Low intensity rainfall continued throughout the total period of sampling.

The final event was intermittent, producing more than one discharge peak. The sampling period was confined to the second peak. Peak flows were generally intermediate between the low flows of Event 1 and the highest sampled flows of Event 2. The precipitation in the latter case was mixed rain and snow. This event was preceded by a long (>10-day) dry period.

Table 3 summarizes the precipitation characteristics of the three wet events while Table 4 shows the relative volumes of base flow and direct runoff** for the Humber River stations.

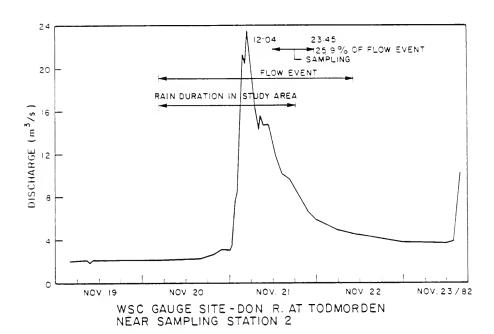
^{*} The WSC gauge at Site 7 was only operational for the first event. **Total volume = base flow plus direct runoff.

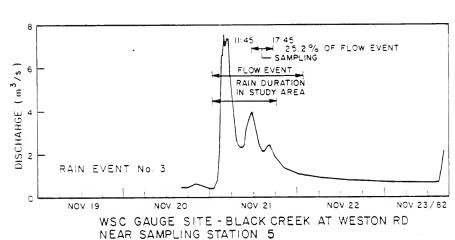




TORONIO AREA WATERSHED MANAGEMENT STUDY-TAWMS 82

WET EVENT No. 2





AGRES

PRECIPITATION EVENT CHARACTERISTICS* Table 3:

Total*** Event	Precipitation (mm)	Maxinum Hourly Intensity (nm)	Duration (n)
No. 1	8.6	2.8	3
No. 2	25	1.8	27
No. 3**	7.9 3.2	2.7 1.0	6 9

Table 4: FLOW EVENT CHARACTERISTICS

	Event No. 1		Event No. 2		Event No. 3	
Station	Total Volume (m ³ x 10 ³)	Runoff/ Base Flow Ratio	Total Volume (m ³ x 10 ³)	Runoff/ Base Flow Ratio	Total Volume (m ³ x 10 ³)	Runorf/ Base Flow Ratio
3	475	0.18	15 500	3.43	7 590	1.52
5	85.5	3.17	1 970	3.35	359	3.53
6	343	0.14	13 200	3.33	6 690	1.49
7	325	0.10	12 700	3.24	6 500	1.45
8	84.5	0.11	4 240	3.47	1 770	2.84
9	110	0.063	7 450	2.39	4 560	0.89
10	84.9	0.011	6 360	2.57	4 000	0.95
11	48.3	2.38	1 390	2.73	249	2.76

^{*} For Urban Humber River portion of the study area only. ** Intermittent showers separated by 2 hours.

^{***}Sampled event.

DATA SUMMARY

Complete water quality results are contained in Annex 1. The values shown in Table 5 are arithmetic means calculated separately for dry and wet events at each station.

The parameters shown in Table 5 are arranged into four groups. The first group, the conventional water quality parameters, comprises the first seven parameters. The next seven parameters, make up the second group, the inorganic parameters. The third group, the bacteria, includes fecal coliforms and fecal streptococci. The last group, the pesticides and organic parameters, contains thirty-five parameters. Only seventeen of these were detected during TAWMS'82 and only the pesticides and organics actually detected are summarized in Table 5.

The stations shown in Table 5 are grouped into Humber River stations, Don River stations, and Mimico Creek stations. The Humber River stations are further divided into mainstem Humber, West Humber, and Black Creek stations. Within each group in Table 5, upstream stations are placed to the left of downstream stations. Arranging the stations by degree of urban development would result in a similar ordering within each group because urbanization is greater in the lower reaches of the river systems.

Note that many inorganic parameter means and most pesticide or organic parameter means shown in Table 5, were calculated using one or more values that were higher than the true value for the parameter. This occurred when the material was present in the sample at a concentration below the detection limit of the analytical technique. In these instances, the laboratory reported the detection limit as the value for the parameter along with a note that the true value was actually less than that reported. Consequently, those parameter means in Table 5 that are accompanied by an asterisk, are probable overestimates.

For most parameters, the wet event mean is higher than the dry event mean at a given station. The reverse is true, however, for ammonia, pH, and residue filtrate.

			Humber River					⊭est Humber	Black Creek		Don River Taylor Creek	Jon River	Mimico Cree
Parameter			10	9	1	6	3	<u> 5</u>	11	5	1	Piver	=
8005	(mg/L)	dry wet	0.86	0.82 1.57	1.12	1.02 1.54	0.98 1.76	0.68 2.70	1.43	1.75 8.35	0.97 2.66	8.58 5.61	0.94 5.97
NH3 (un-tontzed; mg	g/L as N)	dry wet	0.0011 0.0056	0.0022 0.0026	0.0034 0.0009	0.0036 0.0006	0.0046 0.0013	0.0026 0.0008	0.0052 0.0035	0.0007 0.0022	0.0040 0.0006	0.0232 0.0048	0.005
н		dry wet	8.40 8.37	8.40 8.40	8.52 8.34	8.48 8.32	8.46 8.30	8.48 8.29	8.26 7.95	8.34 7.83	3.26 7.95	7.54 8.08	8.27 7.92
Filtered P	(mg/L)	dry wet	0.0058	0.0058 0.0487	0.0052 0.0217	0.0055 0.0222	0.0042 0.0230	0.0035 0.0276	0.0975 0.0533	0.1875 0.1302	0.0160 0.0529	0.0615 0.0895	0.004
Unfiltered total P	(mg/L)	dry wet	0.020	0.023 0.253	0.021	0.021 0.176	0.020 0.205	0.018 0.126	0.169 0.340	0.270 0.510	0.038 0.190	0.245 0.413	0.022
Residue filtrate	(mg/L)	ary wet	360. 366.	381. 356.	358. 369.	374. 376.	430. 386.	471. 413.	912. 356.	1 928. 405.	866. 406.	696. 417.	724. 390.
Residue particulate	e(mg/L)	dry wet	16.20 111.75	5.72 132.03	9.80 124.68	12.60 122.72	5.22 122.50	2.52 67.39	12.81 135.53	9.58 104.02	4.97 52.15	12.30 135.19	26.75 92.55
Cadmium	(mg/L)	dry wet	0.0003*	0.0002° 0.0002°	0.0002*	0.0002*	0.0002° 0.0004	0.0003* 0.0002*	0.0012* 0.0005	0.0004*	0.0004-	0.0003* 0.0007	0.000
Chromium	(mg/L)	ary wet	0.002	0.002	0.002	0.004	0.004 0.007	0.002 0.005	0.005	0.030 0.012	0.004	0.010	0.006
Copper	(mg/L)	dry wet	0.008	0.006 0.022	0.006 0.014	0.006 0.013	0.008 0.029	0.008	0.014 0.023	0.018	0.014 0.044	0.013 0.036	0.014
Mercury	(ug/L)	dry wet	0.040*	0.040*	0.040*	0.040*	0.040*	0.040° 0.033°	0.040° 0.071°	0.040* 0.081	0.050° 0.040°	0.040* 0.054	0.040 0.033
Nickel	(mg/L)	dry	0.001*	0.002 0.004*	0.004	0.004	0.002	0.001* 0.003*	0.002 0.008	0.010	0.003	0.012 0.020	0.002
Lead	(mg/L)	dry wet	0.004*	0.003° 0.010°	0.004*	0.006* 0.012*	0.003° 0.018	0.004* 0.012	0.011 0.076	0.006 0.079	0.004° 0.046	0.032 0.044	0.006
Zinc	(mg/L)	dry wet	0.016	0.003	0.004	0.024	0.006 0.034	0.002 0.021	0.022 0.115	0.044 0.115	0.014 0.076	0.052 0.161	0.028
Fecal coliform	(counts/		- 55	81 594•	49 762	95 798	270 1 154*	106 878	783 1 554	2 418 9 160*	2 085 4 023*	21 500 9 318	403 1 902 •
Fecal streotococci	(counts/	dry**	. 15	69 1 705	55 1 487	101 1 409	89 1 524*	45 1 221*	247 3 701	230 8 903*	214 2 596*	1 012 4 321	285 4 313
∝-6HC	(ng/L)	dry	6* 2*	2*	2*	2• 5•	2*	2°	3 10	2* 10*	12	4 ° 8 °	12
∌-BHC	(ng/L)	dry	•	- 2•	2•	- 2•	2•	:	4.	- 6•	6.	3° 7°	4• 6•
~BHC	(ng/L)	dry	4•	2° 4°	3* 4*	3•	3*	3• 3•	3 10	2° 4°	- 26	6° 5°	3• 7
<-cnlordane	(ng/L)	wet dry	-		:	:	:	· •	 2•	6•	6•	3•	3*
- chlordane	(ng/L)	we t dry		-	:	:	2.	:	3•	5•	3*	-	2•
Dieldrin	(ng/L)	wet dry						-	:	3•	:		- 2•
Heptachlor	(ng/L)	wet dry		2•							:	٠.	
Total PCB	(ng/L)	wet dry			-				1.			:	
ODE	(ng/L)	wet		-	25*		25*	-	22•	-	145*	75	100
007	(ng/L)	wet		-				-	1.				· ·
2,4-0	(ng/L)	wet dry	8•	-					165*		-	285*	
2,4-0P	(ng/L)	wet	-	120•	215*	190*	206*	268*	328	-	249*	193*	122*
O1camb4	(ng/L)	wet		-		-		127*	135*	-	166 •		- 150•
		wet	-		•	•		103*	103*		-		
Pichloram	(ng/L)	dry wet	:	:	112•	:	-		:	:	:		
Silvex	(ng/L)	dry wet	:	62*	:	:	54*	:	50 •	53*	56*	74 • 2 •	
Hexachloropenzene	(ng/L)	dry ⊮et	:	1• 1•	1.	:	:	2.	3*	1.	2.	3	1° 3°
Pentachlorophenol	(ng/L)	dry wet	-	55•	55*	58*	:	55.	94*	157*	54 •	75*	305 111•

^{*} One or more values reported by the laboratory as "actual result is less than the reported value" were used to calculate this number. Consequently, this mean is higher than the actual mean. ** Geometric means.

⁻ not detected.



The pH of an uncontaminated raindrop in equilibrium with atmospheric carbon dioxide is about 5.6. This is much lower than the dry weather surface water pH in the Toronto area, so it is not surprising that mean pH's of these rivers where lower during wet events.

The percentage of total ammonia in the un-ionized form is lower at lower pH. However, at most of the stations at which mean un-ionized ammonia was higher during dry events than during wet events, the behavior of total ammonia followed a similar pattern. Thus generally lower means of un-ionized ammonia during wet events cannot be attributed solely to lower pH's during wet events reducing the amounts of un-ionized ammonia relative to total ammonia.

Residue filtrate means were higher during dry events than during wet events at almost all stations. This suggests that the concentrations of the most abundant constituents (calcium, sodium, potassium, magnesium, chloride and carbonates) were lower in storm water than in base flow.

For most of the conventional water quality parameters and bacteria, the highest means are for data from Station 2 at the mouth of the Don River and Stations 5 and 11 on Black Creek.

The means shown in Table 5 give a general indication of parameter behavior. More can be shown by subjecting the data given in Annex 1 to additional analyses as described in Section 4.

4. DATA INTERPRETATION

4.1 Parameter Descriptions

The MOE has set water quality Objectives for the protection of aquatic life in Ontario's surface waters (MOE, 1978). Water quality data collected during the TAWMS'82 study were compared with these Objectives. If there was no MOE Objective for a parameter, a guideline for the protection of aquatic life cited by McNeely et al (1979) was used, if one existed.

When an observed value of a water quality parameter was higher than the Objective or guideline for that parameter, an exceedance was said to have occurred. In the following discussion, an exceedance factor was defined as the ratio of the observed value to the Objective or guideline. Exceedance factors were calculated only when an exceedance occurred, so the factors are always 1.0 or more. An average exceedance factor was calculated as the arithmetic mean of all exceedance factors at a particular station during a particular event. These were generated to facilitate comparisons between stations and between events. An overall average exceedance factor was calculated as the arithmetic mean of all average exceedance factors for a particular station. This was used as a general indicator of the magnitude of exceedance at the station.

Exceedances are discussed below for each parameter. The water quality Objective or guideline is included in parentheses after the parameter name. Tables 6 and 7 summarize exceedances and average exceedance factors for the TAWMS ('82) water quality data.

Fecal Coliforms (100/100 mL; MOE, 1978)

Bacteriological water quality indicators are groups of bacteria whose densities in water can be related quantitatively to the presence of sewage or fecal matter and, therefore, to the risk of contracting a disease from the pathogens contained therein (MOE, 1978). The fecal coliforms are one of these indicators. A potential health hazard exists if the fecal coliform geometric mean density for a series of water samples exceeds 100/100 mL. A series

Table b. AVERAGE EXCEEDANCE FACTORS FOR ALL EVENTS

		Ory Eve	t I									Ory tven	Ory Event 2																		
Parancter	Objective or fulceline	Humber 10	Rumber River Stations Hainstem Humber	1 lons	P = P	Humber Humber	Orect Street	اطا ت عا م	Don River Taylor D Creek R	Bon	Creek	Humber River St.	Humber	tions	۲'	Humber	Greek 11	8 E 5 L,	Taylor Do	Place HE	Hinto										
Fecal coliforms	100/100 m(1	1.1 1.2*** 3.0 5.2	5.2	:	15	7	•	83	3				<u>:</u>		7.7	=		22	~										
9000	10 mg/L									7.																					
HHJ fun-tonized)	0.02 mg/L*									6.1																					
lotal P	0.030 mg/L*						1.5	15 1	1.5	9.6							3.6	3.0	= :												
Residue particulate	25 mg/L**									_	1																				
(adminst	. 0.0002 mg/L*											5.0	1.5 1.5	5 1.5		5.0	5.5	2.5	3.0 2	1 0.5	5.1										
Caronia	0.1 mg/L*																														
Copper	0.005 mg/L*	9:	1.0 1.2	2 1.0	1.4 1.0	0.	2.2	4.0	3.0	\$.4	3.4	9.	1.4 1.2	7 1.4	9:	2.2	3.2	3.4 2.	2.6 2	2.8 2.	2.4										
Hercury	0.0002 mg/L*																														
Nickel	0.025 mg/L*																														
leso	0.025 mg/L*									0.5																					
1100	0.030 mg/t*							1.3		2.3				-			0.1	9.1	-	1.2 1.	2										
-BHC (Lindane)	10 ng/L*																		_	1.2											
10	*1/6u 1																														
		Het t	Wet frent 1										Wet frent 2									Wet fvent 3						2	200	100	12.0
	or less than	FCE	er River S	tallons.		3	Hack		Jon River		Histo		Ner St.	Flons		#e s t	Black	5 ₽	Teylor			er Kiver	314110	2	ie st		Black	Taylor	or Don	Hinico	100
Parameter	or Gulocilne	n or	Nainstem Humber	م	Γ	Humber	100	۳	100	PI ver	Creek	Nainsten humber	Humber 9	01	۲'	T P	100	اسات س	201	River Z	Torest In	Nainstem Humber	- Let	ام	E Home		101	2			t
for all colliforms	- In this and	1 -			50.6	. 52	1 2	3	. 67	150	25	8.8	2.1	1.6	4.0 13	3.3	4.6	:	=	37	4.2 7.3	7.1	9.4	1.9	12 8.2	9.	150	140	280	36	
Section College	1001/001	2	:			:			: '																						
ku0 ₅	10 mg/L					3	9.		2	-	•										:										
Mily tun-tonized)	0.02 mg/t*						1.2	2		5.0											9.6										
lotal P	0.030 mg/t	3	=	1.2	1.5	1.5	19	z	7.9	:	2	6.7	11	= =	Ξ	1.3	1.2	6.3	0.9	13 8	6.9 4.3	4.2	9.0	5 .4	5.4 3.6		5.5	8.1 6.	5 15	9.	9
Hesidue particulate	25 mg/l **		9.2				=	7.2	9.6	4.4	2.1	9.0	9.3 11		9.2 9.8	4.5	3.3	1.1	0.4	1.7	1.8 4.0	Ţ	•.0	9.0	2.6 3.1		2.6 2.	2.7 2.5	6.1	• •	9
(a onlun	0.0002 mg/L*	3.0	1.2	_	1.7 3.2	0.1	3.9	9.8	3.5	1.3	3.5	:	1.2 2.	2.2*** 1.	1.6 2.4	1.2	9.	7.7	2.1	3.2	3.0 1.6	2	-	2	1.0 1.2		2.5	4.0 2.0	3.5		b. 5***
(hrostum	0.1 mg/L.																														
Copper	0.005 mg/L*	-	1.1 1.7		1.7 2.1	5.0	•	7.8	£.3	=	7 .5	9.2	2.7 3.	2.7 3.5*** 2.7	7 9.2	8.8	1.3	3.3	9 .4	7	4.3 2.7	=	7.	3.9	3.5 3.1		3.6	5.2 2.4	1.9	-	5
Hercury	0.0002 mg/L*						•	1.2	:																						
Nickel	0.025 mg/L*									1.1	2.2												1								
lead	0.025 mg/L*		0.1				6.9	5.5		1.2	5:1				1.3		9.1	2.1	2.7	9.1	1.8					•	3.2 2.	2.7 2.1		3.1	1. 3
7100	0.030 mg/L*	1.5	1.5	-	7	2	6.2	5.5	2.2	8.9	2.4	1.0	1.2	1.6 1.	1.3 1.6	1.2	5.0	2.1	2.3	2.5	5.5***	-	0.4	1.2	1.2	2	2.8 3.	3.0 3.5		4.3 4.2	~
-BHC Indane	10 ng/L*								9.4	1.0			1.0				1.5		•							-	2	-	۰	1 8	9
PCB	1 19/1.								77	33	100							-	068	000			0		0.	90					

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NICKEL			

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LEGEND

> 50% OF SAMPLES EXCEEDED OBJECTIVE OR GUIDELINE 50% OF SAMPLES EXCEEDED OBJECTIVE OR GUIDELINE

● UNRELIABLE OR APPROXIMATE VALUE(S) EXCEEDED OBJECTIVE OR GUIDELINE

□ THE ONE SAMPLE COLLECTED EXCEEDED OBJECTIVE OR GUIDELINE

OCCURRENCE OF EXCEEDANCES FOR ALL EVENTS! ONTARIO MINISTRY OF ENVIRONMENT TORONTO AREA WATERSHED MANAGEMENT STUDY-TAWMS 82

TABLE 7

of at least ten samples per month per sampling location is recommended, but an increased sampling frequency is required when the water is used for recreational purposes or when the water is subjected to contamination or discharge.

Eighty-nine percent (49) of the fecal coliform geometric means exceeded the Objective.* The Objective was exceeded at every station during the wet events. The Objective was exceeded at most (16 of 22) stations during the dry events. Average exceedance factors were higher during wet events than during dry events at all stations except the mouth of the Don River. Highest overall average exceedance factors were determined for the mouth of the Don River (239), the mouth of Black Creek (124), and the mouth of Taylor Creek (56).

Fecal coliform bacteria are normally associated with the intestinal tracts of warm-blooded animals (McNeely et al, 1979). High fecal coliform counts thus indicate pollution by enteric wastes and, hence, indicate the possible presence of pathogens. The frequent exceedance of the total fecal coliform Objective reveals frequent pollution by enteric wastes in the TAWMS study area, particularly during wet events. Other studies of microbiological characteristics of urban storm water runoff in central Ontario (Environment Canada and MOE, 1978) have shown that fecal pollution in separate storm sewer systems is predominantly of nonhuman origin. Fecal pollution of Toronto watersheds might be from surface runoff through storm sewers as well as from domestic wastes through combined sewers. Indeed, the MOE has identified a number of dry weather storm sewer flows as containing elevated levels of fecal coliforms, with the suspected cause being illegal sanitary or industrial sewer connections to the storm sewers (MOE, 1983).

 BOD_5 (10 mg/L; McNeely et al, 1979)

The 5-day biochemical oxygen demand (BOD_5) of a water sample is the amount of oxygen needed to oxidize the organic matter in the

^{*}Caution - dry event exceedances and exceedance factors are based on single values, not on geometric means of a series of samples.

sample to a stable inorganic form by aerobic microbial decomposition (McNeeley et al, 1979). ${\rm BOD}_5$ is an indicator of pollution by organic material. Waters with ${\rm BOD}_5$ levels less than 4 mg/L are considered reasonably clean and waters with ${\rm BOD}_5$ levels greater than 10 mg/L are considered polluted by degradable organic material. The MOE does not have an Objective for ${\rm BOD}_5$.

Five percent (16) of the BOD_5 values exceeded the guideline. All but one 1 of the exceedances occurred during Wet Event 1. Over half (9) of the exceedances occurred on Black Creek and three occurred at the mouth of Mimico Creek. Most (5 of 7) of the average exceedance factors were less than two.

During Wet Event 1, the waters of Black and Mimico Creeks exhibited BOD_5 levels greater than the guideline, indicating that these waters were polluted by organic material. BOD_5 levels tend to be higher on the rising limb of the hydrograph at these stations.

 NH_3 (0.02 mg/L as N; MOE, 1978)

Ammonia values reported by the MOE lab were for total ammonia (NH₄ and NH₃). These values were converted to un-ionized ammonia (NH₃) using the table on page 32 of MOE (1978), which gives estimates of the un-ionized fraction based on temperature and pH. The conversions were done using values of pH measured in the lab and a temperature value of 20°C. At a given pH, the percentage of un-ionized ammonia in water sample is lower at lower temperatures, so the calculated values of un-ionized ammonia are probably overestimates of the amounts actually present in the rivers where temperatures are lower.

The un-ionized ammonia Objective is based on toxicity to aquatic organisms. Three percent (7) of the un-ionized ammonia values exceeded the Objective. Most (5 of 7) of the exceedances occurred during Wet Event 1. Of these, three occurred on Black Creek and two occurred at the mouth of the Don River. All but one of the five average exceedance factors were 2 or less.

BOD5 exceedances were also frequent at the times and places of ammonia exceedances, suggesting that the ammonia was associated with organic material and sanitary sewage, likely from combined sewer overflows.

The highest average exceedance factor for ammonia, 5.6, occurred at the rural station (10) in the Humber watershed. As the BOD_5 level was not high at the time of this ammonia exceedance, this ammonia might be attributable to inorganic fertilizers.

Total Phosphorus (0.030 mg/L; MOE, 1978)

Current scientific evidence is insufficient to develop a firm objective for total phosphorus at present (MOE, 1978).

Accordingly, only general guidelines for phosphorus have been suggested. Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 0.030 mg/L.

Eighty-nine percent (238) of the total phosphorus values exceeded general guidelines. The fraction of wet event values exceeding the guideline (0.93) was larger than the fraction of dry event values exceeding the quideline (0.36).

Exceedances were observed during all five events at four stations——both Black Creek stations and both Don River stations. Exceedance factors were generally higher during wet events than during dry events. Highest overall average exceedance factors were determined for the mouth of Black Creek (13), the mouth of Mimico Creek (13; wet events only), and the mouth of the Don River (9.5).

Dry event conditions are more likely to have greater overall influence on plant growth than are wet event conditions because dry events last longer and their conditions are generally more conducive to plant growth. During the dry events, exceedances of the phosphorus guideline occurred only on Black Creek, Taylor Creek and the Don River.

Residue Particulate (25 mg/L; McNeely et al, 1979)

The MOE does not have an Objective for residue particulate. A guideline for the protection of freshwater life of 25 mg/L is given in McNeely et al (1979).

Seventy-one percent (190) of the residue particulate values exceeded the guideline. All exceedances but one occurred during the wet events. The highest overall average exceedance factors were determined for four Humber River stations, as follows:

- Station 7 (7.5)
- Station 6 (7.1)
- Station 10 (6.5)
- Station 3 (6.2).

However, exceedances occurred most frequently at a different set of stations:

- Black Creek mouth (21 of 24 or 0.88)
- Mimico Creek mouth and Station 11 on Black Creek (20 of 23 or 0.87)
- Station 9 on the Humber River (21 of 26 or 0.81)
- Don River mouth (17 of 23 or 0.74).

The higher overall average exceedance factors of the first group result from particularly high average exceedance factors during Wét Event 2 for stations in this group. Wet Event 2 was preceded by 2 days of intermittent rain. Stations in the first group yielded no exceedances during Wet Event 1, which was preceded by dry weather. The stations in the first group are in less developed areas. The particularly high Wet Event 2 average exceedance factors of the first group could have resulted from erosion of soil particles from open areas and stream banks exacerbated by several consecutive days of wet weather. The more frequent exceedances of the second group probably resulted from more consistent urban sources (i.e., street surfaces) of particulate material during isolated storms.

During wet events, total phosphorus and residue particulate levels at stations in the first group correlated significantly (99 percent confidence level). This relationship appeared only at Station 5 in the second group.

Cadmium (0.0002 mg/L; MOE, 1978)

The Objective for cadmium was established to protect aquatic life. Eighty percent (106) of the cadmium values exceeded the objective. The fraction of wet event values exceeding the Objective (0.87) was larger than the fraction of dry event values exceeding the Objective (0.45). Exceedances occurred at 10 of the 11 stations during Dry Event 2, and exceedance factors for most (7) of these stations during this event were greater than or about the same as exceedance factors for the same stations during wet events. Highest overall average exceedance factors were determined for the mouth of Black Creek (3.8), the mouth of Mimico Creek (3.5*) and the mouth of the Don River (3.0).

Cadmium concentrations did not appear to vary much with flow during wet events. Cadmium levels did not correlate with levels of any other parameters except at the stations on Black Creek. Here, at Stations 5 and 11, cadmium levels correlated significantly (99 percent confidence level) with levels of copper, lead, zinc, total phosphorus, and residue particulates. There was also significant negative correlation at a slightly lower confidence level (95 percent) between cadmium levels and pH at these two stations.

Chromium (0.1 mg/L; MOE, 1978)

The Objective for chromium was established to protect aquatic life.

There were no exceedances of the Objective for chromium.

Copper (0.005 mg/L; MOE, 1978)

The Objective for copper was established to protect aquatic life.

^{*}Results classified as "approximate" were used in calculating this number. If "approximate" results are not used, this exceedance factor becomes 2.6.

The Objective for copper was exceeded at all stations during all events. For each station, wet event exceedance factors were generally higher than dry event exceedance factors.

The highest copper concentration, 0.130~mg/L, was observed three times--once at the mouth of the Don River, once at the mouth of the Humber River, and once at Station 9 on the Humber River. The two Humber River stations were not usually among the stations with the highest value of a water quality parameter.

Highest overall average exceedance factors for copper were determined for the mouth of the Don River (5.3), the mouth of Black Creek (4.7), the mouth of Mimico Creek (3.8*), and Station 11 on Black Creek (3.7).

At only a few stations was there any indication that copper concentrations varied with flow during wet events. In general, copper levels did not correlate with levels of any other parameters. However, at Stations 5 and 11 on Black Creek, copper levels correlated significantly (99 percent confidence level) with levels of cadmium, lead, zinc, total phosphorus, and residue particulates and at Station 7 on the Humber River copper levels correlated significantly (99 percent confidence level) with levels of chromium, mercury, BOD5, and residue particulates. This might indicate a common source. There was also significant negative correlation at a slightly lower confidence level (95 percent) between copper levels and pH at the two Black Creek stations.

Mercury (0.0002 mg/L; MOE, 1978)

The Objective for mercury was established to protect aquatic life and to reduce accumulation of mercury in fish flesh that might be consumed by humans.

^{*}An approximate result was used in calculating this number. If the approximate result is not used, the exceedance factor becomes 3.6.

Only three mercury values exceeded the Objective; however, each of these values was reported by the laboratory as "unreliable: contamination suspected" and the average exceedance factors were low (1.2. 1.4).

Nickel (0.025 mg/L; MOE, 1978)

The Objective for nickel was established to protect aquatic life.

Four nickel values exceeded the Objective, two from the mouth of the Don River, one from the mouth of Mimico Creek, and one from Station 7 on the Humber River. All nickel exceedances occurred during wet events. Average exceedance factors for nickel were 2.2 or less.

Lead (0.025 mg/L; MOE, 1978)*

The Objective for lead was established to protect aquatic life.

Thirty percent (39) of the lead values exceeded the Objective. All but one of the exceedances occurred during wet events. Most (31) of the exceedances occurred on the Don River and Black Creek. Highest overall average exceedance factors were determined for Station 11 on Black Creek (3.6), the mouth of Black Creek (3.4), the mouth of Taylor Creek (2.1), and the mouth of the Don River (2.0).

Lead levels correlated infrequently with levels of other parameters at most stations. However, at Stations 5 and 11 on 3lack Creek, lead levels correlated significantly (99 percent confidence level) with levels of cacmium, copper, zinc, and residue particulate. There was also significant negative correlation at a slightly lower confidence level (95 percent) between lead levels and pH at these two stations.

<u>Zinc</u> (0.030 mg/L; MOE, 1978)

The Objective for zinc was established to protect aquatic life.

^{*}At alkalinities greater than 80 mg/L as CaCO3.

Sixty-one percent (80) of the zinc values exceeded the Objective. The fraction of wet event values exceeding the Objective (0.66) was larger than the fraction of dry event values exceeding the Objective (0.32). The Objective was exceeded during all events at the mouths of the Don River and Black Creek. Highest overall average exceedance factors were determined for the mouth of the Don River (3.8), Station 11 on Black Creek (3.0), the mouth of Black Creek (2.7), and the mouth of Taylor Creek (2.7).

At Stations 3, 7, 8 and 11 zinc concentrations tended to increase with flow during wet events. Zinc levels correlated infrequently with levels of other parameters at most stations. However, at the two Black Creek stations (5 and 11), zinc levels correlated significantly (99 pecent confidence level) with levels of cadmium, copper, lead, total phosphorus, and residue particulate.

Pesticides and Other Organic Compounds

 $\gamma\text{-BHC}$ (lindane) is an organochlorine compound used as an insecticide and rodenticide (McNeely et al 1979). Its toxicīty is related to its disruption of oxygen uptake. It can also accumulate in the fatty tissues of animals, so the Objective was established to protect aquatic life and to inhibit its accumulation in fish flesh that might be consumed by humans (MOE, 1978).

Thirteen percent (11) of the γ -BHC values exceeded the Objective of 10 ng/L. More than half (6) of the exceedances occurred in the Don River watershed--four at the mouth of Taylor Creek and two at the mouth of the Don River. Several (3) exceedances occurred at Station 11 on Black Creek. All exceedance factors but one were less than two.

All values for aldrin, chlordane, methoxychlor, DDE, 2,4-D, dicamba, and silvex were less than their Objectives or guidelines.

For dieldrin, endosulfan, endrin, heptachlor and heptachlorepoxide, mirex, PCB, and DDT and its metabolites, the Objective is less than the minimum measurable amount. Almost all values of each of these

parameters were reported by the laboratory as the minimum measurable amount, indicating that nothing was detected. In these instances, exceedance was impossible to determine. There were two exceptions as follows.

- 1 Heptachlor alone equaled the Objective for heptachlor and heptachlorepoxide at Station 11 on Black Creek during Wet Event 2.
- 2 The objective for DDT and its metabolites was exceeded at Station 10 on the Humber River during Wet Event 3.

Heptachlor, heptachlorepoxide, and DDT are organochlorine compounds used as insecticides (McNeely et al, 1979). Their toxicity is related to their disruption of oxygen uptake. They can also accumulate in the fatty tissues of animals, so their Objectives were established to protect aquatic life and to inhibit their accumulation in fish flesh that might be consumed by humans or fish-consuming birds (MOE, 1978).

Polychlorinated biphenyls (PCB's) are toxic organic chemicals that are highly resistant to biological, chemical and thermal degradation (McNeely et al, 1979). They tend to accumulate in sediments and to be moved downstream during subsequent resuspension of sediments. PCB's collect in the fatty tissues of animals, which can have long-term harmful effects on aquatic life and human health. The Objective for PCB's (1 ng/L; MOE, 1978) was established with this in mind to provide guidance for dealing with past releases or accidental losses.

In the case of PCB's, 16 percent (10) of the samples not complicated by analytical interference or contamination exceeded the Objective. The remaining 84 percent were reported as the minimum detectable amount because no PCB was detected. However, the minimum detectable amount is 20 times the Objective, so it is impossible to say whether any of these other samples also exceeded the Objective. All exceedances occurred during the wet events. Over half (6) of the exceedances occurred at the two Don River watershed stations.

4.2 Distribution of Contaminants

As indicated in Section 4.1 there were notable variations in the magnitude and frequency of exceedances of many of the analyzed parameters related to particular subbasins. Having reviewed those parameters and their behavior, five were selected for more detailed consideration vis-a-vis their observed distribution and possible sources within the Humber River watershed. These five parameters are cadmium, copper, lead, fecal coliforms and total ammonia.

Lead, cadmium, and copper were trace metals that frequently exceeded their respective MOE Objectives. These three metals also represent a range of solubilities and associations with particulate materials. Fecal coliforms were considered because of recent concern about bacterial pollution of nearshore Lake Ontario by the Humber River. Total ammonia was considered as a representative nutrient that can also be toxic when present in large quantities.

To assess distribution of contaminants within the system and for the calculation of loadings, the subbasins described in Figure 3 were combined into six subbasins as follows:

- Upper Humber, the drainage area upstream from Station 10 (Drainage Area 10, Table 1)
- West Humber, the drainage area upstream from Station 8 (Drainage Area 8, Table 1)
- Upper Black Creek, the drainage area upstream from Station 11 (Drainage Area 11, Table 1)
- Lower Black Creek, the drainage area upstream from Station 5 but downstream from Station 11 (Drainage Area 5, Table 1).
- Mid Humber, the drainage area upstream from Station 7 but downstream from 10, excluding the West Humber drainage area (Drainage Areas 7 and 9, Table 1)

- Lower Humber, the drainage area upstream from Station 3 but downstream from 7, excluding the Black Creek drainage area. (Drainage Areas 3 and 6, Table 1).

Observed flow data for each sampling location and event did not cover the entire duration of the event hydrograph. Consequently, it was necessary to generate flows synthetically to produce the entire hydrograph needed for subsequent event mass flux calculations. A hydrologic model that combines appropriate hydrologic and meteorologic data to give flow estimates was used to generate the needed event hydrographs.

4

The hydrologic model used was the Hydrologic Simulation Program - Fortran (HSPF). This model was developed with the support of the US Environmental Protection Agency to permit a wide diversity of basin configurations to be modeled. Using HSPF, simulated flows were generated for each of the sampling stations on Black Creek and the Humber River. These simulated flows were compared with observed hydrographs and the model parameters were adjusted so the model could reproduce the observed flows. Then the model was used to generate dry weather flows and wet event hydrographs at each station in the Humber River watershed for the sampled dry and wet events.

The generated flows were used to calculate fluxes of the five parameters selected for further study. In this discussion, flux is used to mean the rate of mass transport. It is the product of parameter concentration and flow with dimensions of mass per unit time. Knowledge of fluxes allows the total quantity of a contaminant passing through a system per unit time, to be assessed. Concentrations alone do not permit this assessment to be made.

Fluxes were calculated for each of the two dry weather events by multiplying concentrations by generated flows. Then the average dry weather flux at each station was found by taking the arithmetic mean of the two dry weather fluxes at that station. Average dry weather flux from each of the six Humber subbasins was found by subtracting the fluxes into the subbasin from the flux out of the subbasin. Table 8 is a summary of dry event flux differences for the five selected parameters.

Table 8: AVERAGE DRY EVENT FLUX DIFFERENCES FOR SIX HUMBER SUBBASINS*

Parameter	Upper Humber	West Humber	Upper Black Creek	Lower Black Creek	Mid Humber	Lower Humber
Flow (m ³ /s)	1.49	1.04	0.145	0.0300	0.400	0.180
Cadmium x 10 ⁻⁶ kg/s	0.451	0.341	0.230	-0.180	-0.0440	-0.140
Copper x 10 ⁻⁶ kg/s	11.9	9.81	1.80	1.56	-3.50	3.83
Lead x 10 ⁻⁶ kg/s	5.20	4.50	1.40	-0.300	0.700	-1.60
Fecal coliforms x 10 ⁻⁶ counts/s	0.818	1.07	1.70	2.15	0.0300	4.66
NH4 x 10-6 kg/s	16.7	25.4	10.8	06.6-	51.1	49.7

*Average of two dry events.

For wet events, the flux was assumed to be made up of two parts, the base flow flux and the runoff flux. These fluxes were used to calculate base flow and runoff loadings for the entire wet event, where loading was taken to mean the total mass of contaminant flowing by the sampling station during the event. The steps in this procedure were as follows.

1 - Using the simulated hydrograph for the event (Figure 7), base flow (\mathbb{Q}_{D}) was separated from combined flow (\mathbb{Q}_{C}). This gave series of simulated combined flows, separated base flows, and runoff flows (\mathbb{Q}_{r}) spaced at equal time intervals.

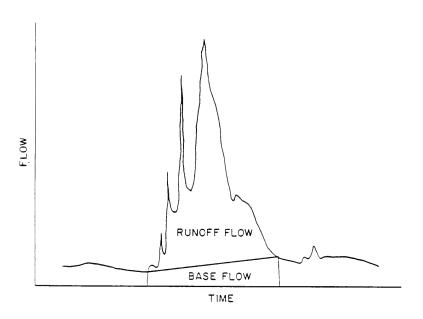


FIG. 7-BASE FLOW SEPARATION

- 2 A flow-weighted average of the two dry weather concentrations was computed (C_h).
- 3 For each sampling time, base flow flux $(\mathbb{Q}_b \cdot \mathbb{C}_b)$ was subtracted from combined flux $(\mathbb{Q}_C \cdot \mathbb{C}_C)$ to give runoff flux.

- 4 For each sampling time, base flow was subtracted from combined flow to give runoff flow.
- 5 Total runoff loading for the sampled portion of the event $(L_{\mbox{sr}})$ was determined by numerically integrating the runoff fluxes using the trapezoidal rule for the integration.
- 6 Total runoff flow volume for the sampled portions of the event $(V_{\rm Sr})$ was determined by numerically integrating the runoff flows using the trapezoidal rule for the integration.
- 7 Average runoff concentration for the event (C_r) was computed by dividing L_{sr} by V_{sr} .
- 8 Base flow loading for the entire event was calculated by multiplying each element in the time series of separated base flows for the event (Q_b) by the calculated base flow concentration (C_b) and the time interval between successive Q_b 's and then summing the resulting products.

$$L_{b} = \Sigma (Q_{b} \cdot C_{b} \cdot \Delta T)$$

9 - Runoff loading for the entire event was calculated in a similar manner. Each element in the time series of runoff flows was multiplied by the average runoff concentration (Cr) and the time interval between successive Q_r 's. The resulting products were added to give the runoff event loading,

$$L_r = \sum (Q_r \cdot C_{r \cdot \Lambda} T)$$

Wet event loadings from each of the six Humber subbasins was found by subtracting the loadings into the subbasin from the loading out of that subbasin. Table 9 is a summary of wet event loading differences for the five selected parameters. Only wet events 1 and 2 are considered because wet event 3 sampling took place mainly on the falling limit of the hydrograph making the concentration information inadequate for the calculation of event loadings.

WET EVENT LOADING DIFFERENCES FOR FOR SIX HUMBER SUBBASINS

Table 9:

Parameter		Upper Humber	West Humber	Upper Black Creek	Lower Black Creek	Mid Humber	Lower Humber
Event 1							
Flow $(x 10^3 \text{m}^3)$	Wet Base	0.918 84.0	8.24 76.3	34.0 14.3	31.0 6.13	20.2 135	-21.4 86.9
Cachrium (kg)	Wet Base	0 0.0254	0 0.0249	0.0245 0.0227	0.0858 -0.0169	0.0007	0.148 -0.0006
Copper (kg)	Wet Base	$0.0037 \\ 0.672$	0.168 0.670	1.35	2.42 0.214	0.852 0.429	$\frac{-1.97}{0.870}$
Lead (kg)	Wet Base	$0.0112 \\ 0.295$	0.930 0.325	5.22 0.138	6.81 -0.0068	0.651 0.427	-8.39 0.0285
Fecal coliforms $(x 10^{12} \text{ counts})$	Wet Base	0.843 0.0461	2.16 0.0779	1.36 0.168	252 0.282	3.12 0.0683	-256 0.632
NII4 (kg)	Wet Base	1.68 0.940	0.176 1.85	6.19 1.07	54.0 -0.961	-1.86 6.58	-57.0 8.12
Event 2							
Flow (х 10 ⁶ m³)	Wet Base	4.58 1.78	3.29 0.948	1.02 0.374	0.493 0.0772	1.81 0.264	0.762 0.0580
Cachnium (kg)	Wet Base	1.42 0.539	0.935 0.309	0.198 0.593	0.597 -0.464	2.08 -0.0855	1.11
Copper (kg)	Wet Base	77.5	46.7 8.33	17.5 4.63	5.72 4.01	71.9	231 -0.203
Lead (kg)	Wet Base	59.7 6.26	48.2 4.04	55.5 3.61	25.7 -0.710	51.9 0.326	60.1 -3.02
Fecal coliforms $(x 10^{12} counts)$	Wet Base	19.0 0.978	19.6 0.967	4.01 4.39	16.6 5.54	14.8 0.0050	128 -0.781
NH4 (kg)	Wet Base	18.7	8.67 23.0	1.02 27.8	2.64 -25.5	14.7 52.1	110 55.8

These generated event loadings, broken down by subbasin, are presented below from two perspectives. In the first instance, the six subbasins are compared on the basis of relative contribution to total event loading. In the second, these loadings are normalized on an areal basis.

4.2.1 Relative Subbasin Contributions

Figure 8 shows, for each of the five priority parameters, the relative contributions of each of the six subbasins to the sum of the loadings from all the subbasins. These are presented as percentages for interbasin comparison. The base flow portion has been separated for comparison with the runoff contribution.

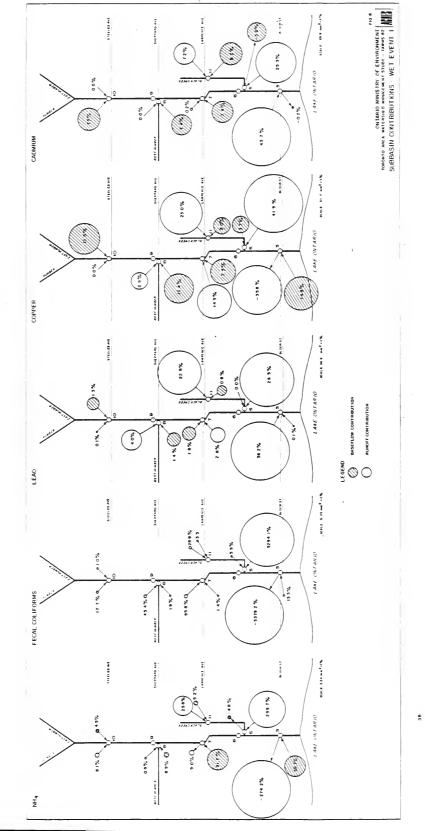
Several points should be borne in mind while interpreting this figure.

- This event followed a long dry period.
- Precipitation fell only in the lower portion of the watershed so that no runoff was measured from the rural subbasin above Site 10.
- Sampling at Station 3 was discontinued before the "event peak" had passed.

In general Figure 8 shows clearly that the runoff contribution was many times higher than that attributable to base flow. This indicates that contaminants accumulated during the preceding dry period were indeed mobilized during the event. Because the large upstream rural catchment did not respond (produce runoff) in the first wet event, the relative importance of the small urban subbasins such as Black Creek is amplified. The large ammonia contribution noted from this drainage area is attributable to the effects of the combined sewer overflow system.

The negative loading differences noted for ammonia, coliforms and copper for the Lower Humber subbasin could be artifacts of the differencing procedure. Because sampling at Site 3 was





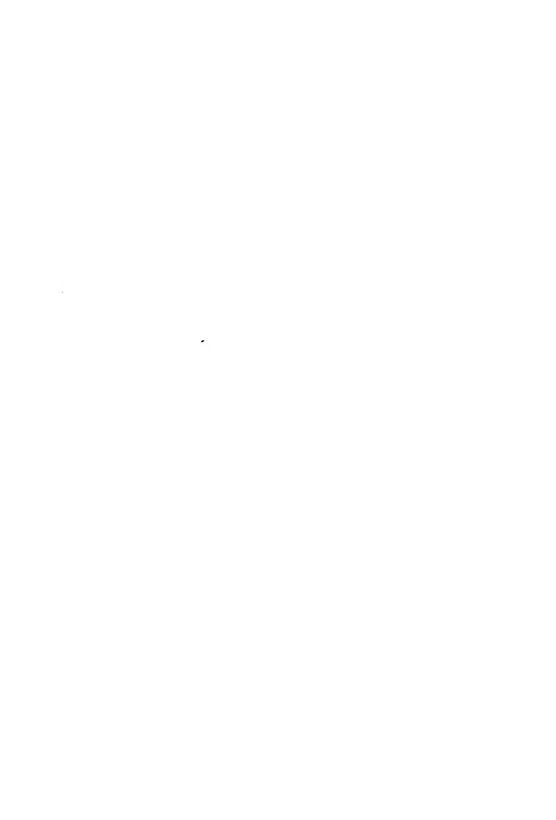


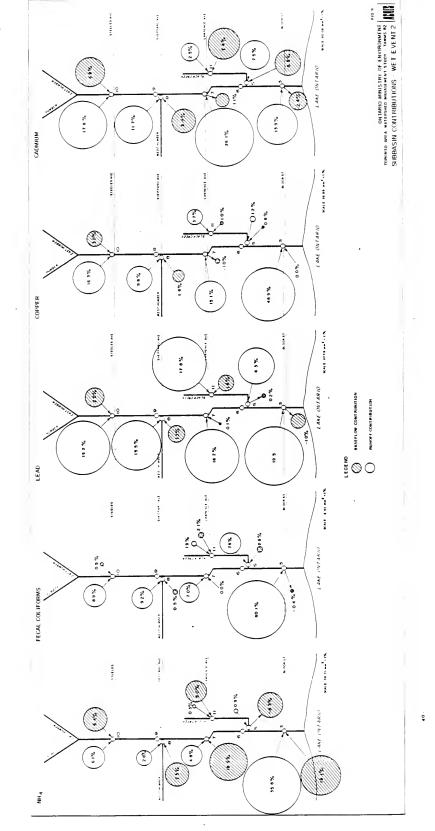
discontinued prematurely, it is possible that the peak concentrations measured did not reflect total input from the upstream drainage areas. In the process of differencing the loadings, negative numbers could therefore be generated. For the same reason, the positive loadings noted for lead and cadmium are probable underestimates of actual local input.

A more detailed discussion of observed behaviors, is provided in Section 4.2.2.

Figure 9 shows the relative subbasin contributions during the second wet event. As was the case for the first wet event, sampling at Site 3 may not have been continued long enough thereby complicating the subbasin loadings reported for the Lower Humber. Unlike the first wet event however, rain fell throughout the Humber watershed so the rural contributions could be assessed. It is also of note that this event immediately followed an earlier rainfall. With a "prewashed" system one might have expected a very low runoff contribution of contaminants, however, for bacteria, lead and copper the base flow contribution was small in comparison to the runoff from all of the subbasins. This tendency also held for cadmium except in the Upper Black Creek subbasin where the runoff contribution was only one-third of the calculated base flow input. This apparent runoff dilution effect may indicate a specific dry weather source somewhere within the Upper Black Creek watershed.

The behavior of ammonia was distinctly different from that of the other parameters. Little ammonia was contributed by the runoff portion of the event for any of the middle and upper Humber subbasins with the single exception of Lower Black Creek where the base flow contribution was negative. This sink was also observed during the first wet event and its possible causes are discussed in Section 4.2.2. The overall implication of the ammonia behavior is that this soluble contaminant is easily washed from the system and had been largely "purged" by the rain prior to the sampled event. It is also of note that the largest runoff contributions of ammonia came from the predominantly rural catchments where sources such as fertilizers would be more dispersed.







4.2.2 Contributions by Unit Area

Since the six subbasins described earlier differ in size, fluxes were normalized on the basis of area to assess dry and wet event contributions in a more direct way.

Dry Weather Contributions

Table 10 shows the average dry weather fluxes per unit area for each of the six Humber River subbasins.

Flow (reported as millimetres of runoff) was greatest from the Mid Humber subbasin, which is about one-quarter open, one-quarter industrial, and one-half residential. Flow was least from the Lower Black Creek subbasin, which is mostly residential and open and from which, the runoff is directed via the combined sewer runoff interceptor. The second highest flow came from the Lower Humber subbasin, which is mostly residential and open, and the second lowest flow came from the Upper Humber subbasin, which is almost entirely open. There does not appear to be a clear relationship between land use and flow from subbasins.

Cadmium flux per unit area was greatest for the Upper Black Creek subbasin. The Mid Humber and Lower Humber subbasins tended to accumulate cadmium. The apparent sink for cadmium in Lower Black Creek cannot be verified. It results from one cadmium value that was reported as below normal detection limit. For these calculations, values reported as less than a detection limit were assumed to be equal to the detection limit, so all results based on these values overemohasize their contribution.

The greatest copper fluxes per unit area came from the Lower Humber and Lower Black Creek subbasins. The Mid Humber subbasin was a sink for copper during the dry events.

Lead, which has great affinity for particulate materials, showed dry weather fluxes similar to those shown by cadmium. Highest flux per unit area was from the Upper Black Creek subbasin, and the Lower Black Creek and Lower Humber subbasins accumulated lead. The

Table 10: AVERAGE FLUX PER UNIT SUBBASIN AREA FOR DRY WEATHER

Daramotor	Upper Humber 570 km²	West Humber 221 km ²	Upper Black Creek 50.4 km ²	Lower Black Creek 14.7 km ²	Mid Humber 41.4 km²	Lower Humber
Dunoff (mm/c)	2 61 ~ 10-6	9-01 ~ 22 V	9-01 ^ 88 6	2 04 \$ 10-6	9-01 2 99 0	9-01 2 2 3
Kunoli (mm/s)	2.01 × 10 0	1.73 × 10	01 × 00.7	2.04 A 10 -12 2	-1 06	0.32 × 10
x 10 ⁻⁹ kg/(km ² .s)				1		
Copper x 10 ⁻⁹ kg/(km ² .s)	20.9	41.6	35.6	106	-84.4	141
Lead x 10 ⁻⁹ kg/(km ² .s)	9.12	20.4	27.8	-20.4	16.9	-58.8
Fecal coliforms Total counts/(km².s)	1.43×10^3	4.83×10^3	33.7×10^3	146 × 10 ³	0.725×10^3	171×10^3
$_{\times 10^{-9} \text{ kg/(km}^2.s)}$	29.3	, 115	214	-673	1 230	1 830

chief difference between lead and cadmium flux distributions was that the Mid Humber was source of lead but a sink for cadmium during the dry events.

The highest fluxes per unit area of fecal coliforms came from the Lower Humber and Lower Black Creek subbasins. The more rural subbasins, Upper Humber, West Humber and Mid Humber, contributed far fewer fecal coliforms per unit area during dry weather. The Upper Black Creek flux per unit area seems rather high for a subbasin that is about half rural.

The largest contributors of total ammonia were the Mid and Lower Humber subbasins. The Lower Black Creek subbasin acted as a big sink for total ammonia. Nitrification, the microbial oxidation of ammonia to nitrate, is normally one of the main sinks of ammonia, but it is too slow a process to account for the loss of so much ammonia during the short time of travel between Stations 11 and 5. An industrial source of oxidant could account for the apparent rapid loss.

Wet Event Contributions

There was some difficulty in estimating wet event contaminant contributions from the Humber watershed subbasins, primarily because of the sampling problems mentioned earlier. The loadings per unit area for the Lower Humber subbasin were therefore not calculated for Wet Events 1 and 2. Event loadings were not attempted at all for the third wet event because there was some question regarding the adequacy of the sampling effort for the earlier part of the event hydrograph.

Tables 11 and 12 give total event loadings per unit subbasin area for selected parameters for Wet Events 1 and 2 respectively.

All subbasins for which loadings were calculated were sources of cadmium during both wet events. The largest sources were the Upper Black Creek and Lower Black Creek subbasins.

Table 11: TOTAL EVENT LOADING PER UNIT SUBBASIN AREA FOR WET EVENT 1

Parameter	Upper Humber 570 km ²	West Humber 221 km ²	Upper Black Creek 50.4 km ²	Lower Black Creek 14.7 km ²	Mid Humber 41.4 km ²	Lower Humber 27.2 km ²
Runoff (mm)	0.149	0.382	0.958	2.53	3.75	1
Cachniym x 10 ⁻³ kg/km ²	0.0446	0.112	0.936	4.70	0.619	1
Copper x 10 ⁻³ kg/km ²	1.18	3.79	30.4	180	30.9	1
Lead x 10 ⁻³ kg/km ²	0.537	5.68	106	464	26.0	
Fecal coliforms Total counts/km ²	1.56 x 10 ⁹	10.1 × 10 ⁹	30.4 x 10 ⁹	17 200 × 10 ⁹	76.9 × 10 ⁹	ī
ин ₄ х 10-3 kg/km ²	4.60	9.18	144	3 610	114	1

- Not calculated.

Table 12: TOTAL EVENT LOADING PER UNIT SUBBASIN AREA FOR WET EVENT 2

Parameter	Upper Humber 570 km ²	West Humber 221 km ²	Upper Black Creek 50.4 km ²	Lower Black Creek 14.7 km ²	Mid Humber 41.4 km ²	Lower Humber 27.2 km ²
Runoff (mm)	11.1	19.1	27.7	38.9		ı
Cachnium x 10 ⁻³ kg/km ²	3.44	5.62	15.7	90.6	ı	ı
Copper x 10 ⁻³ kg/km ²	161	249	440	663	1	ı
Lead x 10-3 kg/km ²	116	236	1 170	1 700	1	ı
Fecal coliforms Total counts/km ²	35.0 × 10 ⁹	92.8 x 10 ⁹	167 × 10 ⁹	1 510 × 10 ⁹	1	1
NH ₄ x 10 ⁻³ kg/km ²	7.79	143	572	-1 560	ı	1

- Not calculated.

The largest total event loadings for copper came from the Upper and Lower Black Creek and Mid Humber subbasins. The smallest loadings came from the Upper Humber and West Humber subbasins for both events. The Mid Humber was a source of copper during Wet Event 1. This differs from the dry weather situation when the Mid Humber was a sink for copper.

All subbasins for which loadings were calculated were sources of lead during both wet events. The largest sources were the Upper and Lower Black Creek subbasins. The Lower Black Creek subbasin was a lead sink during dry weather.

The largest contributor of fecal coliforms during Wet Event 1 was the Lower Black Creek subbasin and the second largest contributor was the Mid Humber subbasin. During Wet Event 2, the largest contributor was the Upper Black Creek subbasin.

The Upper Black Creek subbasin was a large source of ammonia during both wet events as it was during dry weather. The Lower Black Creek subbasin was a sink for ammonia during the second wet event, as it was during dry weather. However, during the first wet event this subbasin was the largest source of ammonia of all the subbasins for which total event loadings were calculated.

During wet events, the two Black Creek subbasins were the largest contributors on a unit area basis of all five of the selected . parameters considered. This implies that during wet events the combined sewer overflow in the Lower Black Creek subbasin is not the only significant contributor of these parameters.

5. DISCUSSION

Table 13 shows mean runoff concentrations of selected parameters for three Humber River drainage areas compared with selected Ontario urban drainage areas. The parameters listed are those most commonly assessed in studies of urban runoff.

The three Humber catchment drainage areas were selected to represent three degrees of urbanization. The first drainage area, the Rural Humber, is that portion of the Humber catchment upstream from Station 10. This drainage area is almost 100 percent open. The Upper Urban Humber is that portion of the Humber catchment upstream from Station 7. Although this drainage area is also mostly open, it is more urbanized than the Rural Humber drainage area. The third drainage area, Black Creek, is the entire Black Creek catchment. It is the most urbanized of the three Humber drainage areas considered and it alone receives combined sewer overflows.

Average runoff concentrations completed for the first two wet events sampled were used to calculate the arithmetic mean runoff concentrations for these three drainage areas.

The mean runoff concentrations generally increased with increasing urbanization in the Humber catchment. BOD5 went from 0.795 mg/L in the Rural Humber to 11.0 mg/L in Black Creek, fecal coliforms went from 10 700 counts/100 mL in the Upper Urban Humber to 195 000 counts/100 mL in Black Creek, and lead went from 0.013 mg/L in the Rural Humber to 0.119 mg/L in Black Creek. Total phosphorus was also highest in Black Creek, but it was lowest in the Upper Urban Humber, not in the Rural Humber.

Ammonia nitrogen was highest in the Rural Humber and lowest in the Upper Urban Humber. Residue particulate was highest in the Upper Urban Humber and lower in the Rural Humber.

Mean runoff concentration of BOD₅, for the Upper Rural Humber was less than that calculated for surface runoff from Ontario Great Lakes communities and less than those reported for the Brucewood Test

Table 13: CCMPARISON OF RUNDEF CULCUIRATIONS FOR SELECTED ONTARIO DEALWACE AREAS

Catthrent	Rural humber*	Upper Urban humber*	Black Creek*	Guelph West	Brucewood Test Catchuent**	Windsor Storm Sever Oischarge	Calculate Neans for	Calculated Flow-Meighted Means for Ontario Great
J. 31 C.C. Area	570 1712		65.1 km ²		6.195 402	0.36 km2	Lakes Communities	nunities
Lans Jse	Tube open	4. Tow censity	374 TOW density	37, 1ca density	TOUR TOW DEASTLY	180% Tow density		Surface Combined Seast Bungit Aunchan
		4: industrial 91: open	141 inoustrial 381 open	33% industrial 22% open	(schalace several			
Source Reference	+			Kaller & Kovak, 1979	Kaller & Kovak, James F. Keclaren, 1979	Harit, 1973	Waller an	Waller and Novak, 1979
JCD5 (mj/L)	0.795	2.26	11.0	13.9	7.5 (5)	12	14	41
1,4 mg/L)	0.913	0.002	0.464	1	0.28 (5)	0.087	1	,
Total P (ag/L)	0.297	0.266	0.730	0.35	0.17 (5)	0.98	0.35	1.4
Festicue particulate 137 $(1.37 c)$	137	193	168	195	(5) 6/	305	170	150
First colliforms (counts/log at)	4.61 x 104	4.61 × 104 1.07 × 104	1.95 x 1.05	1	1 062 (4)	2.41 × 106	5 x 103 1x 106	اب الأو
Leao (Eg/L)	0.013	0.035	0.119	1	0.32 (5)	1	1	,

That accordance of set Events 1 and 2 event average runoff concentrations only.

That are an of seans for events in October and November 1974. The numbers in practices represent the number of individual items used to calculate the mean.

Thanks of 2 Program.

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Catchment and Windsor storm sewer discharge. Total phosphorus in the Upper Urban Humber was less than in Windsor storm sewer discharge but more than in Brucewood Test Catchment discharge. Ammonia mean runoff concentration was much lower in the Upper Urban Humber than in the Brucewood or Windsor residential catchments. Residue particulate and fecal coliform mean runoff concentrations in the Upper Urban Humber were much greater than those from Brucewood storm sewers but much less than those from Windsor storm sewers.

Mean runoff concentrations of B0D $_5$ and residue particulate were about the same as those calculated for surface runoff from Ontario Great Lakes communities. Total phosphorus and fecal coliforms were higher in Black Creek than in surface runoff from Great Lakes communities as a result of combined sewer overflow in Black Creek. The land use in the Black Creek drainage area is similar to that in the Guelph West drainage area, and $B0D_5$ and residue particulate concentrations are roughly the same in the two areas. However, mean runoff concentrations of total phosphorus for Black Creek was about two times that for Guelph West. This is because of the combined sewer overflow into Black Creek.

6. SUMMARY AND CONCLUSIONS

6.1 Summary of the Program

As part of the TAWMS program, a field data collection program was carried out during the fall of 1982 for the MOE, to further define water quality problems on the Humber River. This was to provide input to the development of a comprehensive water management strategy. Limited data were also collected for the Don River and Mimico Creek. A field monitoring network, distinguishing between rural and urban land uses, was established, with emphasis placed on the urbanized portions of the watersheds.

Streams in urbanized areas receive flow inputs and associated pollutant loadings from storm sewers and combined sewer overflows. Storm sewer systems convey surface water runoff and pollutants washed off urban surfaces during rainfall events. These systems also contribute flows in dry weather periods consisting of infiltration, cooling waters and from other sources such as illegal industrial and sanitary inputs, leakages and spills. Combined sewers such as those in the Lower Black Creek drainage areas contain domestic and industrial sewage mixed with stormwater runoff. These overflow intermittently, contributing pollutant loadings to receiving streams during rainfall events.

As many of the potential sources were therefore expected to contribute contaminants during runoff from rainfall (wet events), the program examined water quality during two dry weather (low flow) as well as three wet events.

6.2 Conclusions

As a means of evaluating observed water quality problems, values of parameters were compared with Ontario Ministry of the Environment's Provincial Water Quality Objectives. Exceedances of the Objectives occurred most often for fecal coliforms, cadmium, copper, lead and and zinc. In addition, the guideline for total phosphorus concentrations that could cause excessive plant growth in rivers and streams was often violated.

The Objective for fecal coliform was exceeded at every station during the wet events. The highest exceedances also occurred during the wet events with the highest values in the Humber River system being consistently detected on the Lower Black Creek just downstream from combined sewer overflow. However, even during low flow periods, there are continuing sources of fecal contamination. These cannot be accounted for by the combined sewer contribution, so other sources of fecal contamination during low flow periods are implicated.

Among the metals examined, nickel, mercury and chromium either met or exceeded only marginally and/or infrequently, their respective Objectives. Of those remaining, cadmium exceeded its Objective more frequently during high flows than during low. For example, 87 percent of all wet event cadmium samples exceeded the Objective while only 45 percent of dry weather samples exceeded. The Objective for copper was exceeded at all stations during all events. Wet event copper concentrations were generally higher than dry weather concentrations. Thirty percent of samples analyzed for lead exceeded the Objective. All but one of the exceedances occurred during wet weather. Sixty-six percent of the wet weather zinc samples exceeded the Objective while only 32 percent of the dry event values did not meet the Objective.

Pesticides and other organic compounds were analyzed. Most parameters were not detected or were less than Objectives or guidelines with a few exceptions. Occasionally lindane (-BHC), heptachlor, DDT and its metabolites and PCB's exceeded or equalled the Objectives. All exceedances except one lindane value occurred during wet weather. Thirteen percent of the lindane values exceeded the Objective. Most of the exceedances occurred in the Don River watershed. Several occurred in Upper Black Creek of the Humber watershed. One sample for heptachlor equalled the Objective for heptachlor and heptachlorepoxide in Upper Black Creek. The Objective for DDT and its metabolites was exceeded once on the Upper Humber watershed above Steeles Avenue. PCB was detected and exceeded the Objective in six samples on the Don watershed, three samples on the Humber watershed and one sample on Mimico Creek.

Highest levels of most parameters generally occurred at the mouths of Black Creek (Station 5), Don River (Station 2), Taylor Creek (Station 1) and Mimico Creek (Station 4) and on Upper Black Creek (Station 11).

In the Humber River watershed, the MOE Objectives were most often exceeded at the outflow from the Black Creek subbasin. The influence of the combined sewer overflows, containing domestic and industrial sewage mixed with stormwater runoff, was observed in the lower Black Creek watershed during the high flow periods. The upper portion of the Black Creek watershed also appears to be a larger contributor of contaminants than might be expected for a watershed designated to receive only separated stormwater discharges.

The rural portions of the Humber watershed contributed nutrients and residue particulates during the high flow (high rainfall volume event) periods but generally provided a moderating influence on overall water quality. During low flow periods, elevated copper concentrations were noted.

The most densely urbanized areas contributed higher concentrations of contaminants than did the predominantly open areas and in general, concentrations of most parameters were higher during the wet events than during the low flow periods.

Using a combination of concentration and flow information, mass fluxes* were calculated to better describe the distribution and behavior of contaminants. Wet weather events produced the highest mass fluxes for most parameters and in the case of fecal coliforms, the highest concentrations were consistently detected on Lower Black Creek. But when the mass fluxes of this contaminant were estimated it was found that the Lower Black Creek subbasin did not behave consistently through all three wet events. This suggests that the type of rainfall event has a significant

^{*}Mass flux = concentration x flow

effect on combined sewer contributions in relation to contributions from other subbasins with stormwater sewer systems. A similar effect on the mass flux of lead was also noted. The mass flux of copper appeared to be less affected by the type of runoff event. This is a complex phenomenon that cannot be properly evaluated without an understanding of the outfall and sewer overflow sources.

Normalizing the fluxes by area, the contributions made by each of the Humber River subbasins showed that during dry weather, the Upper Black Creek subbasin contributed, on a unit area basis, the largest amounts of cadmium and lead. The Lower Humber subbasin contributed the largest amounts of copper and fecal coliforms. The Lower Black Creek subbasin contributed the second largest amounts of copper and fecal coliforms on a unit area basis.

During wet events, the two Black Creek subbasins were the largest contributors on a unit area basis of all five of the selected parameters considered (cadmium, copper, lead, fecal coliforms, and ammonia). This implies that during wet events the combined sewer overflow in the Lower Black Creek subbasin is not the only significant contributor of these parameters.

7. IMPLICATIONS AND RECOMMENDATIONS FOR THE TAWMS PROGRAM

Many of the conclusions drawn from these interim data are tentative. The number of events sampled, the limitation to a single season and the lack of sediment and biological data hinder the interpretation of parameter behavior. Much of the required information has however been gathered. These include sediment and biological tissue analyses and spring runoff data collected as part of this program but unavailable at the time of writing. These will be incorporated in the next phase of this project. This will also include documentation of the HSPF model development and its application on the Humber River.

In addition the MOE has undertaken three supplemental programs designed to address identified data gaps in the Humber River. These are:

- Collection of additional bacteriological data to identify the origins of fecal coliforms and fecal streptococci in the Humber River.
- Field survey to establish whether or not the observed high BOD and/or phosphorus levels have resulted in dissolved oxygen impairment.
- Field program to define and evaluate sediment transport as a mechanism for contaminant movement in the Humber River.

All three of these studies will be reported separately by the MOE.

In addition the Pollution Control Committee is undertaking a series of projects to assess sources and contributions from stormwater outfalls and combined sewer overflows.

It is understood that these and other studies will be integrated to link observed problems with sources, prior to the development of pollution control measures.

To facilitate the definition of source/effect linkages, the HSPF hydraulic model should be refined using the expanded data base, and calibrated for key water quality parameters.

Receiving water quality has indicated that the Upper Black Creek drainage area may be receiving point sources of contaminants. Specific attention should be directed toward the identification of these sources.

Limited data collected for the Don River indicate severe water quality impairment. It is understood that the Don River will be the next watershed to be examined in detail in the TAWMS program. As the field sampling of wet events proved to be very difficult logistically, it is recommended that the possibility of using HSPF as a predictor for event/river behavior be examined and that using hypothetical storms, the model be used to assist in the development of an efficient sampling strategy for the Don River.



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ANNEX 1 WATER QUALITY DATA



NOTES FOR ANNEX 1

1 - Many values are followed by remark codes.

Remark	Description
!LA	No data: sample spoiled in laboratory accident
! SM	No data: sample missing (lost in lab?)
! TX	No data: time limit expired
!UI	No data: undetermined interference
.! CR	No data: could not perform confirming reanalysis
! QU	No data: quality controls unacceptable
!CS	No data: contamination suspected
!RI	See attached report (no numeric result) ITCS
<	Actual result is less than the reported value
<=>	Approximate result
<t< th=""><th>This low measurement is tentative, for info only</th></t<>	This low measurement is tentative, for info only
< W	"Zero", value reported is min. measurable amount
A>	Approx result: exceeded normal range limit
P54	PCB resembled Aroclor 1254
P60	PCB resembled Aroclor 1260
U72	Unreliable: sample age exceeds 72 hours
AIN	Approx result: interference suspected
UCS	Unreliable: contamination suspected
UIC	Unreliable: improper container
NOD	Missing results from MOE report
AIP	Analysis in progress

2. Coded names are used for organic compounds.

Compound Name	Coded Name	Number
Aldrin	ALDR	10
∝-BHC Hexachlorocyclohexane	ВНСА	11
B-BHC Hexachlorocyclohexane	внсв	12
$\gamma extsf{-BHC}$ Hexachlorocyclohexane	BHCG	13
∝-Chlordane	CHLA	14

Compound Name	Coded Name	Number
γ-Chlordane	CHLG	15
Dieldrin	DIEL	16
DMDT Methoxychlor	DMDT	17
Endosulfan I	END1	18
Endosulfan II	END2	19
Endrin	ENDR	20
Endosulfan Sulfate	EEDS	21
Heptachlorepoxide	HEPE	22
Heptachlor	HEPT	23
Mirex	MIRX	24
Oxychlordane	OCHL	25
OP-DDT	OPDT	26
PCB, Total	PCBT	27
PP-DDD	PPDD	28
PP-DDE	PPDE	29
PP-DDT	PPDT	30
2,4,5-Trichlorophenoxyacetic acid	24 5 T	32
2,4-Dichlorophenoxyacetic acid	24D	32
2,4-Dichlorophenoxybutyric acid	24DB	33
2,4-D Propionic acid	24DP .	34
Dicamba	DICA	35
Picloram	PICL	36
Silvex	SILV	37
Hexachlorobenzene	HCB	38
2,3,4-Trichlorophenol	234	39
2,3,4,5-Tetrachlorophenol	2345	40
2,3,5,6-Tetrachlorophenol	2356	41
2,4,5-Trichlorophenol	245	42
2,4,6-Trichlorophenol	246	43
Pentachlorophenol	PCPH	44

- 3. Several comments pertain to the determinations of minima, \max and \max .
 - No datum with a remark code beginning with "!" was used in determining minima, maxima, and means.

- Approximate values, unreliable values, and values with remark codes beginning with "<" were used in determining minima, maxima and means.
- Minima, maxima, and means were not determined for dry events or for the organic parameters. There was only one value from each station during each dry event and there were few instances when an organic parameter was detected more than once at a single station during a wet event.
- All means are arithmetic means except for those for fecal coliforms and fecal streptococci. Means for these two parameters are geometric means.
- In many instances, not all samples collected during the wet events were analyzed. However, flow was determined each time a water sample was collected.

All these flow values were used to calculate the mean flow at a station during an event. Only flows at the time of collection of the samples ultimately analyzed are reported in these tables, so minimum, maximum and mean flows reported here might not apply to the data immediately above them. This is particularly evident for flows listed with the data on inorganic parameters.

TORONTO AREA WATERSHED HANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 1 - OCTOBER 5,1982

Conventional Water Quality Parameters and Pacteria

STATION \$1 Tawlor	Creek				•••••					
	FLOW	BOD5	NH4	۶H		Phosphorus Unfitatal		Residue Partic.		Fecal Stres
‡ Date and Time	n3/s	ms/L O	ms/L N		ϲ/L P	es/L f	1/2	13/L	‡/100mL	\$/100mL
1 05/10/82 10:10	0.14	1.40	0.058	8.39	0.0190	0.045	982.	5.56 	4100	390
STATION #2 Don Riv	ver @ Fro	nt St.								
	FLOW	2005	NH4	-11		Phosphorus				
‡ Date and Time	m3/s	as/L 0	ma/L N	₽Ħ	ms/L P	Unf,total a⊴/L P	ma/L	es/L	Californ #/100mL	Stres #/100mL
1 05/10/82 11:10	1.52	12.50	2.000	7.63	0.0490	0.168	598.	12.60	59000	3200
CTATION \$7 No.	D A									
STATION #3 Humber	Kiver &	8100r St.			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecul
# Date and Time	FLOW m3/s	₽4/L 0	NH4 D ⊴/L N	PН	Filt, react	Unf,total	Filtra. 19/L	Partic. mg/L	Coliform \$/100mL	Stres 1/100mL
1 05/10/82 11:30	2,57	0.99	0.048	9.44	0.0060	0.014	442.	2.43	520	100<=
STATION #4 Mimico	Creek @	 OEW Offram	p		Sharehal .	Dhaabaa		D/		
	FLOW	2005	NH4	ρĦ		Phosphorus Unf•total			Fecal Colifora	
# Nate and Time	a3/s	ms/L O	mg/L N		ms/L P	⊕s/L P	ng/L	ns/L	‡/100mL	#/100mL
1 05/10/82 11:30	0.38	0.96	0.040	8,25	0.0040	0.029	748.	35.30	740	590
STATION #5 Black C	reek @ S	carlett Rd								
	Հ ୮ዐଳ	90R5	NUA	-n		Phosphorus			Fecal	Fecal
# Date and Time	#3/s	as/L 0	NH4 ms/L N	۶H	Filt, react	ns/L P	ng/L	rartic. Es/L	Coliforn #/100mL	Stres ‡/100mL
1 05/10/82 13:30	0.30	2.00	0.004 <t< td=""><td>8.32</td><td>0.3200</td><td>0.450</td><td>1075.</td><td>9.62</td><td>1350</td><td>220</td></t<>	8.32	0.3200	0.450	1075.	9.62	1350	220
1 05/10/82 13:30	0.30	2.00	0.004 <t< td=""><td>8.32</td><td>0.3200</td><td>0.450</td><td>1075.</td><td>9.62</td><td>1350</td><td>22</td></t<>	8.32	0.3200	0.450	1075.	9.62	1350	22

STATION #6 Humber	River 2	Scarlett R	d.		Phosphates	Phosphorus	Residue	Residue	Fecal	Fecsl
Date and Time	FLOW a3/s	BOD5 ss/L O	NH4 BS/L N	FН	Filt, react				Salifora ≸/100mL	Strep !/100mL
05/10/82 12:15	2.36	1.27	0.018	9.51 	0.0080	0.022	378.	7.69	300	340
 STATION ‡7 Humber	River @	 Lawrence A								
Date and Time	FLOW m3/s	BOD5 ms/L O	개H4 ms/L N	۶H	Fhosphates Filt, react ms/L P	Phosphorus Unfrtotal			Fecal Coliform ‡/100mL	Fecal Strep \$/100mL
1 05/10/82 11:00	2.70	1.21	0.012	8.57	0.0070	0.021	368.	5.70	120<->	100<=
 STATION #8 West Ho		isto Husbar								
t Nate and Time	FLOW	BODS ms/L O		РĦ		Phosphorus Unf•total mg/L P			Fecal Caliform ‡/100±L	Fecal Strep \$/100mL
1 05/10/82 10:00	0.33	1.01	0.018	8.46	0.0040	0.018	455.	3.48	140	50<=
STATION ‡9 Hain Hu	mber 9 W	 lest Humber								
‡ Date and Time	FLOW m3/s	80D5 ⊠⊴/L O	NH4 ms/L N	ьH		Phosphorus Unfitotal ms/L P				Fecal Strep \$/100mL
1 05/10/82 10:00	1.68	0.89	0.006	8.33	0.0070	0.027	377.	9.36	110	120
STATION #10 Humber	River 9	Steeles A			Phosphatas	Phosehorus		Residue	Fecal	 Fecal
‡ Date and Time	FLOW m3/s	00D5 a⊴/L O	NH4 m≤/L N	ьH						Strep ‡/100mL
1 05/10/92 09:00	2.10	0.94	0.004 <t< td=""><td>8.33</td><td>0.0090</td><td>0.021</td><td>373.</td><td>12.10</td><td>50< ≃≥</td><td>404:</td></t<>	8.33	0.0090	0.021	373.	12.10	50< ≃≥	404:
STATION #11 Black	Creek @	Lawrence A			Charlet-i-	Dhasabaarra	Pagidus	Poesdus		Fecal
# Date and Time	FLOW m3/s	20D5 ns/L 0	NH4 mg/L N	۶Ħ		Phosphorus Unf,total mg/L P			Coliforn #/100mL	Stree 1/100aL

TORONTO AREA WATERSHED MANAGEMENT STUDY

WATER GUALITY DATA
DRY EVENT 1 - OCTOBER 5,1982

Inorsanic Parameters (Metals)

STATION #1 Tawlor	Creek							
‡ Nate and Time					na/F Ha Welchia		Lead es/L Pb	_
1 05/10/82 10:10	0.14	0.0002<	- 0.005	0.015	0.030:T	0.003	0.0034	0.014
STATION #2 Don Riv	er @ Fro	nt St.						
‡ Date and Time	FLOW m3/s		ns/L Cr		Mercury			
1 05/10/82 11:10				0.012	0.030KT	0.011	0.051	0.070
STATION #3 Humber	FLOW	au raba3			Mercury			Zinc mg/L Zn
1 05/10/82 11:30				0.007	0.050 <t< td=""><td></td><td>0.003<</td><td></td></t<>		0.003<	
STATION #4 Mimico				Concon	Hercury	Nakal		7:
# Date and Time					na\r Ha			
1 05/10/82 11:30	0.33	0.00021	0.008	0.017	0.050 <t< td=""><td>0.003</td><td>0.004</td><td>0.023</td></t<>	0.003	0.004	0.023
CTATION AS Disale								
STATION #5 Black C								
‡ Date and Time	FLOW m3/s		BS/L Cr		na\r Ha Welchla		Lead mg/L Pb	
1 05/10/82 13:30	0.30	0.0002<	0.021	0.020	0.030<1	0,004	0.007	0.040

STATION \$6 Humber	River 0	Scarlett R	ld.					
‡ Date and Time	m 3/s	as/L Cd	as/L Cr	⊡s/L Cu		a⊴/L Ni	es/L Po	as/L Zn
1 05/10/82 12:15								
STATION #7 Humber	River 0	Lawrence A	ive.					
‡ Date and Time	a 3/s	ns/L Cd	as/L Cr	œ⊴/L Cu	na\F Ha	ns/L Hi	39/L Pb	a⊈/L Zn
1 05/10/82 11:00								
STATION #8 West Hu	uaber 0 M	ain Humber						
# Date and Time	FLOW œ3/s	Cadeiue es/L Cd	Chromium mg/L Cr	Copper m≤/L Cu	na\r Ha Welchia	Nickel ms/L Ni	Lead mg/L Pb	Zinc mg/L Zn
1 05/10/82 10:00								
# Date and Time	FLOW m3/s	Cadaium m≤/L Cd	Chromium ng/L Cr	ns/L Cu	Mercury	ms/L Ni	mg/L Pb	ms/L Zn
1 05/10/82 10:00								
STATION #10 Humber	River 0	Steeles A	ve.					
# Data and Time	3 3/5	a≰/L Cd	as/L Cr	n⊴/L Cu	na/F Ha	as/L Ni	ad/L Pb	ms/L In
1 05/10/82 09:00								0.017
STATION #11 Black								
‡ Date and Time	a3/s	as/L Cd	Chromium	pa/L Cu	na\r Ha yerchia	Nickel ms/L Ni	Lead ∍≤/L fb	Zinc ms/L Zn
1 05/10/82 11:45					0.050 <t< td=""><td>0.002</td><td>0.008</td><td>0.014</td></t<>	0.002	0.008	0.014

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 1 - OCTOBER 5,1982

Pesticides and Organic Parameters

STATION #1 Tawlor C	reek	10		12			15	4.7	47	40	40	24	24
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 Dadt	19 En01	19 END2	20 Endr	21 Ends
# Date and Time	n3/s	ns/L	ua/F	ns/L	ns/L	ua\r	ns/L	ns/L	us/r	ns/L	ns/L	ns/L	ng/L
1 05/10/82 10:10	0.14	1<¥	1<¥	1 <w< td=""><td>1<9</td><td>2<¥</td><td>240</td><td>2<₩</td><td>5<₩</td><td>2<ਖ਼</td><td>4~¥</td><td>4<₩</td><td>4<¥</td></w<>	1<9	2<¥	240	2<₩	5<₩	2<ਖ਼	4~¥	4<₩	4<¥
STATION #2 Don Rive	r @ Fron												
	FLOW	10 ALDR	11	12 BHCB	13 BHCG	14 CHLA	15 CHL6	16	17 DMDT	18 END1	19	20 EMBD	21
‡ Date and Time	a3/s	ns/L	BHCA ns/L	ng/L	ua\f vuco	ng/L	טפּיר	DIEL ns/L	DMDT ns/L	ua/r	END2 na/L	ENDR ns/L	Da/F
1 05/10/82 11:10	1.52	1 (1	1<₩	1<¥	1<9	24#	2·N	2<#	5<\#	2<¥	4 <w< td=""><td>4<₩</td><td>4<บ</td></w<>	4<₩	4<บ
STATION #3 Humber R	iver 9 B	 loor St. 10					10	1/					21
	FLOW	ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 Chlg	15 DIEL	17 DMDT	18 END1	19 END2	20 ENDR	21 ENDS
# Date and Time	m 3/s	ns/L	ns/L	ua\r	ns/L	ns/L	ns/L	ns/L	ns/L	ua\r	ns/L	ua/r	ng/L
1 05/10/82 11:30	2.57	1<#	1<9	1<발	149	2 <w< td=""><td>2<₩</td><td>2선발</td><td>5<₩</td><td>2KW</td><td>4₹₩</td><td>4<U</td><td>4<1</td></w<>	2<₩	2선발	5<₩	2KW	4₹₩	4< U	4<1
STATION #4 Mimico C	reek @ G	EW Offra	 OGF 11	12	13	14	 15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DHDT	END1	EMD2	ENDR	ENDS
‡ Date and Time	<u>a</u> 3/s	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	ua\r	n⊴/L	ns/L	r.a./L	ns/L
1 05/10/82 11:30	0.38	1<4	1<4	149	1<4	2 <w< td=""><td>2<#</td><td>2<8</td><td>5<¥</td><td>24#</td><td>4~U</td><td>4<৸</td><td>4<9</td></w<>	2<#	2<8	5<¥	24#	4~U	4<৸	4<9
STATION #5 Black Cr	eek 9 Sc	arlett R	:d.	12	13	14	 15	 16	17	18	19	 20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	a 3/s	ng/L	ng/L	ng/L	ns/L	ns/L	ns/L	ng/L	ng/L	ns/L	ns/L	ns/L	nd/L

STATION ‡á Humber R	iver @ S												
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	15 DIEL	17 Dadt	18 End1	19 END2	20 Endr	21 ENDS
# Date and Time	r_u# 23/s	ns/L	ns/L	ng/L	ns/L	ua/F	na/L	ns/L	บล\ก	ng/L	ns/L	ns/L	ns/L
1 05/10/82 12:15	2.36	1<4	1<₩	1<₩	1 < 날	2 <w< td=""><td>2<w< td=""><td>2<₩</td><td>5<¥</td><td>2<⊭</td><td>4 ~ U</td><td>4 ≤ W</td><td>4<₩</td></w<></td></w<>	2 <w< td=""><td>2<₩</td><td>5<¥</td><td>2<⊭</td><td>4 ~ U</td><td>4 ≤ W</td><td>4<₩</td></w<>	2<₩	5<¥	2<⊭	4 ~ U	4 ≤ W	4<₩
1 00/10/82 12:10	2,30	17/8							57#		714	759	178
STATION #7 Humber S	liver 9 L												
	51.011	10	11	12	13 BHCG	14	15	16 DIEL	17 DHDT	18 END1	19 END2	20 ENDR	21 ENDS
# Date and Time	FLOW m3/s	ALDR ns/L	BHCA ng/L	BHCB ns/L	ng/L	CHLA ns/L	CHLG n≤/L	ng/L	ועמעל	מאַ/L	ns/L	na/L	ns/L
1 05/10/82 11:00	2.70	1<발	1<₩	1<₩	1<#	2<₩	2선발	2<¥	5<₩	24#	4 <ij< td=""><td>4<₩</td><td>4<4</td></ij<>	4<₩	4<4
STATION #8 West Hus	ber 0 Ma												
	E1 011	10	11	12	13	14	15 CIR C	15	17	18	19	20 20	21 ENDS
# Date and Time	FLOW ⊠3/s	ALDR n⊴/L	BHCA n⊴/L	BHCB ns/L	BHCG ng/L	CHLA ng/L	CHLG ng/L	DIEL ng/L	IMDT ng/L	END1 ns/L	END2 ng/L	ENDR ns/L	ENDS na/L
4 Dars old 11me	20/3			1137 L	112, 6	1137 -							
1 05/10/82 10:00	0.33	1<발	1 <w< td=""><td>1<¥</td><td>14#</td><td>2KW</td><td>2<₩</td><td>249</td><td>5<¥</td><td>2 (#</td><td>4:19</td><td>4<넓</td><td>4<Ы</td></w<>	1<¥	14#	2KW	2<₩	249	5<¥	2 (#	4:19	4<넓	4<Ы
STATION #9 Main Hum	iber 3 We				80								
	E1 011	10	11	12	13	14 CHLA	15 CHLG	16 DIEL	17 Dadt	18 באם	19 END2	20 Endr	21 ENDS
# Date and Time	FLOW m3/s	ALDR ns/L	BHCA ng/L	BHCB ng/L	na/L	ng/L	ng/L	ns/L	n⊴/L	na/L	ua\r swpg	ua/F	ns/L
1 05/10/82 10:00	1.68	1 <w< td=""><td>1<w< td=""><td>1<₩</td><td>1<₩</td><td>2<w< td=""><td>2<₩</td><td>2<4</td><td>5<ม</td><td>2⊴¥</td><td>4∴⊭</td><td>4<넓</td><td>444</td></w<></td></w<></td></w<>	1 <w< td=""><td>1<₩</td><td>1<₩</td><td>2<w< td=""><td>2<₩</td><td>2<4</td><td>5<ม</td><td>2⊴¥</td><td>4∴⊭</td><td>4<넓</td><td>444</td></w<></td></w<>	1<₩	1<₩	2 <w< td=""><td>2<₩</td><td>2<4</td><td>5<ม</td><td>2⊴¥</td><td>4∴⊭</td><td>4<넓</td><td>444</td></w<>	2<₩	2<4	5<ม	2⊴¥	4∴⊭	4<넓	444
STATION #10 Humber	River @	 Steeles	Ave								·		
	5	10	11	12	13	14	15	16	17	19	19	20	21
# Nate and Time	FLOW	ALDR sd/l	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMOT	END1 ng/L	END2	ENDR ns/L	ENDS
‡ Date and Time	m3/s	ng/L	ns/L	ng/L	ng/L	ng/L	ng/L	n⊴/L	ns/L	US', F	ris/L	ua.r	rig/L
1 05/10/82 09:00	2.10	1<4	1 (1	1<¥	1<0	2<₩	249	2//	5KN	240	4 / 🖟	4<넓	4<¥
STATION #11 Black C	Creek @ L					·							^
	C1 011	10	11	12	13	14 CULA	15 cui c	16	17 DHDT	18 END1	19 END2	20 ENDR	21 20KB
‡ Date and Time	FLOW m3/s	ALDR n≤/L	BHCA n≤/L	BHCB n⊴/L	BHCG ns/L	CHLA ng/L	CHLG n≤/L	DIEL ns/L	บส\F กษกเ	ng/L	nd/L	ua/F	ua/F
1 05/10/82 11:45	0.13	1<₩	2	1 (U	1	2<¥	2<₩	2<₩	5<빛	2<₩	4 (¥	4< U	4<¥

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 1 - OCTOBER 5,1982

Pesticides and Orsanic Parameters

STATION #1 Tawlor C	reek												
	F: 011	22	23	24	25	26	27	28	29	30	31	32	33
A Date and Time	FLOW m3/s	HEPE	HEPT	HIRX	OCHL	OPDT	PCBI	PPDD	PPDE	PPDT	245T	240	2409
‡ Date and Time	B3/5	ns/L	ns/L	ng/L	ua\r	ua/F	ng/L	ng/L	ns/L	ng/L	ng/L	Liā'\r	ne/L
1 05/10/82 10:10	0.14	1/W	1 <w< td=""><td>5<w< td=""><td>2<u< td=""><td>5<w< td=""><td>20<n< td=""><td>5<₩</td><td>1<별</td><td>5<w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<></td></n<></td></w<></td></u<></td></w<></td></w<>	5 <w< td=""><td>2<u< td=""><td>5<w< td=""><td>20<n< td=""><td>5<₩</td><td>1<별</td><td>5<w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<></td></n<></td></w<></td></u<></td></w<>	2 <u< td=""><td>5<w< td=""><td>20<n< td=""><td>5<₩</td><td>1<별</td><td>5<w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<></td></n<></td></w<></td></u<>	5 <w< td=""><td>20<n< td=""><td>5<₩</td><td>1<별</td><td>5<w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<></td></n<></td></w<>	20 <n< td=""><td>5<₩</td><td>1<별</td><td>5<w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<></td></n<>	5<₩	1<별	5 <w< td=""><td>50<₩</td><td>100√₩</td><td>200<1</td></w<>	50<₩	100√₩	200<1
STATION #2 Don Rive	r @ Fron												
		22	23	24	25	26	27	28	29	30	31	32	33
# Date and Time	FLOW m3/s	HEPE n≰∕L	HEP!	MIRX n⊴/L	ua∖r OCHr	OPDI ns/L	PCBT ng/L	P₽DD n⊴/L	PPDE n⊴/L	PPDT ng/L	245T ns/L	24D na/L	2409 ns/L
1 05/10/82 11:10	1.52	1<₩	1<4	5<ม	2<₩	5<₩	20 <w< td=""><td>5⊴⊌</td><td>1<발</td><td>5<¥</td><td>50<ม</td><td>470</td><td>200<ม</td></w<>	5⊴⊌	1<발	5<¥	50<ม	470	200<ม
STATION ‡3 Humber R		22	23	24	25	25	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	24D	24DP
# Date and Time	a3/s	ng/L	ns/L	ng/L	ng/L	na/F	ng/L	ng/L	ng/L	ns/L	uq∖L	ng/L	ns/L
1 05/10/82 11:30	2.57	1<4	ikW	5(#	249	5<\u	20 <w< td=""><td>5KW</td><td>1<₩</td><td>5<₩</td><td>50<₩</td><td>100<u< td=""><td>200KW</td></u<></td></w<>	5KW	1<₩	5<₩	50<₩	100 <u< td=""><td>200KW</td></u<>	200KW
STATION #4 Mimico C	reek @ Q												
	5 1 011	22	23	24	25	25	27	29	29	30	31	32	33
# Date and Time	FLOW n3/s	HEPE ng/L	HEPT ng/L	HIRX n⊴/L	OCHL ns/L	T@90 ng/L	PCBT ng/L	PPDD ns/L	FFDE ns/L	P₽DI ng/L	245T ns/L	24D rrs/L	24DB ns/L
1 05/10/82 11:30	0.39	1 (W	1:(¥	5<₩	2<₩	5<¥	20<¥	5<₩	1<4	5<¥	50<¥	100<¥	290<¥
STATION #5 Black Cr	eek 9 Sc												
	כו מיי	22	23	24	25	26	27 500 T	28	29	30	31	32	33
‡ Date and Time	FLO₩ m3/s	HEPE ns/L	HEPT ns/L	MIRX ns/L	OCHL ns/L	0₽0⊺ n⊴/L	FCBT ns/L	PPDD ns/L	990E 1\en	PPDI ng/L	245T ng/L	04D 04D	24DB ng/L
1 05/10/82 13:30	0.30	1 <w< td=""><td>1<₩</td><td>5<¥</td><td>2<¥</td><td>5/¥</td><td>20<¥</td><td>5-(W</td><td>1<₩</td><td>5<\</td><td>50<¥</td><td>100<밥</td><td>200<w< td=""></w<></td></w<>	1<₩	5<¥	2<¥	5/¥	20<¥	5-(W	1<₩	5<\	50<¥	100<밥	200 <w< td=""></w<>

STATION #6 Humber H	River @ S	carlett											
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 OCHL	25 GPDT	27 PCRT	28 PPDD	29 PPDE	30 PPDT	31 245T	32 24D	33 2409
# Nate and Time	m3/s	ns/L	ns/L	na/L	ns/L	ns/L	ng/L	ua/F	us/F	ns/L	ng/L	ns/L	ua/F
1 05/10/82 12:15	2.36	1 <w< td=""><td>1<₩</td><td>5<¥</td><td>2<₩</td><td>5<¥</td><td>20<⊭</td><td>5<\d</td><td>1<w< td=""><td>5<¥</td><td>50-1W</td><td>100⊴⊌</td><td>200:19</td></w<></td></w<>	1<₩	5<¥	2<₩	5<¥	20<⊭	5<\d	1 <w< td=""><td>5<¥</td><td>50-1W</td><td>100⊴⊌</td><td>200:19</td></w<>	5<¥	50-1W	100⊴⊌	200:19
STATION #7 Humber 8	liver @ L									70	7,		33
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 OCHL	26 OPDT	27 PCBT	29 PPDD	29 PPDE	30 PPDT	31 245T	32 240	24DP
# Date and Time	#3/s	na/L	ns/L	ng/L	ria/L	ns/L	ua\r	ng/L	ua\r	ns/L	ns/L	ns/L	ns/L
1 05/10/82 11:00	2.70	149	1<4	5<₩	2<₩	5 <n< td=""><td>20<⊌</td><td>5<w< td=""><td>1<₩</td><td>5<¥</td><td>50<¥</td><td>100<w< td=""><td>2004#</td></w<></td></w<></td></n<>	20<⊌	5 <w< td=""><td>1<₩</td><td>5<¥</td><td>50<¥</td><td>100<w< td=""><td>2004#</td></w<></td></w<>	1<₩	5<¥	50<¥	100 <w< td=""><td>2004#</td></w<>	2004#
STATION ‡8 West Hun	ber 0 Ma												
	E1 5	22	23	24	25	25	27	29	29	30	31	32	33
Nate and Time	FLOW m3/s	HEPE ns/L	HEPT ns/L	MIRX ng/L	OCHL ng/L	OPDT ns/L	FCBT ng/L	PPDD n≤/L	PPDE n⊴/L	na∖r bbD1	245T ns/L	240 ng/L	24DB ns/L
1 05/10/82 10:00	0.33	1<₩	1 <w< td=""><td>5<₩ </td><td>2KW</td><td>5<\\d</td><td>20<#</td><td>5KW</td><td>1<4</td><td>5<w </w </td><td>50<ม </td><td>100<₩</td><td>200/4</td></w<>	5<₩ 	2KW	5<\\d	20<#	5KW	1<4	5 <w </w 	50<ม 	100<₩	200/4
STATION #9 Main Hui	bor 9 Ha												
51H110R 47 H81H H9		22	23	24	25	25	27	29	29	30	31	32	33
<pre># Date and Time</pre>	FLOW m3/s	HEPE ng/L	T\zn	MIRX nd/L	OCHL ng/L	TO90 J\.en	PCBT ng/L	PPDD ng/L	PPBE ng/L	PPDT ng/L	245T ng/L	24D ng/L	2408 ns/L
		1<₩		5<¥	2<₩	5<¥	20<₩	5KW	1<1	5<₩	50<¥	100 <w< td=""><td>200<#</td></w<>	200<#
1 05/10/82 10:00	1.69	1/#	1<#	J.W		J.#						1001	
STATION #10 Humber	River 9	 Steeles	Ave.										
		22	23	24	25	25	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	2408
# Date and Time	m3/s 	ns/L	ng/L	ns/L	ua\F	ua\T	ns/L	ng/L	ng/L	ns/L	ns./L	ns/L	ne/L
1 05/10/32 09:00	2.10	1<9	1KW	544	24₩	5 (ม	20/₩	5-(¥	1<₩	5:1¥	50<#	1004₩	200<\
STATION #11 Black	Creek @ L	awrence 22	Ave. 23	24	25	25	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	24DB
# Date and Time	m3/s	ng/L	ns/L	ns/L	nd/L	ns/L	nd/L	ns/L	ng/L	ns/L	ns/L	na/L	ns/L
1 05/10/82 11:45	0.13	149	144	5 <w< td=""><td>2<#</td><td>5୍ଧ</td><td>20⊴¥</td><td>5<¥</td><td>1<₩</td><td>5⊴₩</td><td>50⊴₩</td><td>100<w< td=""><td>200<¥</td></w<></td></w<>	2<#	5୍ଧ	20⊴¥	5<¥	1<₩	5⊴₩	50⊴₩	100 <w< td=""><td>200<¥</td></w<>	200<¥

TORONTO AREA WATERSHED HANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 1 - OCTOBER 5,1982

Pesticides and Orsanic Parameters

STATION ‡1 Taylor Cr	eek.	34	35	35	37	38	39	40	41	42	43	44
	FLOW	24DP	DIÇA	PICL	SILV	HCB	234	2345	2356	245	43 246	PCPH
# Date and Time	m3/s	ns/L	ng/L	ns/L	ng/L	ns/L	ng/L	ng/L	ng/L	ns/L	ns/L	ng/L
			400 (11		50 (t)		4.00.41/	EA /!!	E0711	EAZU.	E0.70	
1 05/10/82 10:10	0.14	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>50<¥</td><td>1</td><td>100<w< td=""><td>50<¥</td><td>50<w< td=""><td>50<w< td=""><td>50<₩ </td><td>50<¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>50<¥</td><td>1</td><td>100<w< td=""><td>50<¥</td><td>50<w< td=""><td>50<w< td=""><td>50<₩ </td><td>50<¥</td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50<¥</td><td>1</td><td>100<w< td=""><td>50<¥</td><td>50<w< td=""><td>50<w< td=""><td>50<₩ </td><td>50<¥</td></w<></td></w<></td></w<></td></w<>	50<¥	1	100 <w< td=""><td>50<¥</td><td>50<w< td=""><td>50<w< td=""><td>50<₩ </td><td>50<¥</td></w<></td></w<></td></w<>	50<¥	50 <w< td=""><td>50<w< td=""><td>50<₩ </td><td>50<¥</td></w<></td></w<>	50 <w< td=""><td>50<₩ </td><td>50<¥</td></w<>	50<₩ 	50<¥
 STATION ‡2 Don River	· @ Fron	t St.										
		34	35	36	37	38	39	40	41	42	43	44
	FLON	24DF	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH
# Date and Time	±3/3	ng/L	ns/L	ns/L	ng/L	ns/L	ng/L	ns/L	ns/L	ns/L	ns/L	ns/L
1 05/10/82 11:10	1.52	100<발	100<₩	100<₩	50<₩	1<4	100<#	50<₩	50<¥	50<₩	50K¥	100
									,			
STATION ‡3 Humber Ri	ver 8 B	loor St	·									
		34	35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCFH
# Date and Time	2 3/s	ng/L	ns/L	ng/L	ua\r	ng/L	ng/L	na/L	n≊/L	ng/L	riā',[ns/L
1 05/10/82 11:30	2.57	100<	100<	100<⊌	50<¥	1 (9	100<₩	50<₩	50<₩	50<₩	50<₩	50<₩
STATION #4 Mimico C	 reek 2 0	EW Offr	 88P									
		34	35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2358	245	246	PCPH
# Date and Time	33/s	r:s/L	ng/L	ng/L	ng/L	ng/L	ns/L	ns/L	ng/L	ns/L	ns/L	ris/L
1 05/10/82 11:30	0.38	100<₩	200	100<¥	50<¥	1	100<₩	50∢⊌	50<¥	50<¥	5049	400
						- 						
STATION #5 Black Cre	ek @ Sc											
	F: 0	34	35	36	37	39	39	40	41	42	43	44
# Nate and Time	FLOW m3/s	24DP ns/L	DICA ns/L	PICL n≤/L	SILV ng/L	HC∄ n⊴/L	234 ns/L	2345 ns/L	2356 ns/L	245 112/L	246 ng/L	₽C₽H n⊴/L
T POUR OHU ITHE	13/5	113/L	1157.L	HS/L	1137 L	1137 L	113/ L	113/ L	113/ L	115/1	113/ L	
1 05/10/82 13:30	0.30	100<¥	100<	100<₩	50<₩	149	100∢₩	50<¥	50<₩	50<¥	50<₩	50<₩

	·											
STATION #6 Humber .	River 2 S	Scarlett	Rd.									
		34	35	35	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	246	5C5F
# Date and Time	n 3/s	ns/L	ns/L	na/L	ns/L	ns/L	ng/L	ns/L	ns/L	ua/F	ng/L	ns/L
1 05/10/82 12:15	2.36	100<₩	100<4	100<₩	50<₩	1<4	100 <u< td=""><td>50<u< td=""><td>50<¥</td><td>50 (ม</td><td>50<ม</td><td>50<1</td></u<></td></u<>	50 <u< td=""><td>50<¥</td><td>50 (ม</td><td>50<ม</td><td>50<1</td></u<>	50<¥	50 (ม	50<ม	50<1
STATION ‡7 Humber	River 2 l											
	EL OU	34	35 DICA	36	37	38	39	40	41	42	43	44
# Date and Time	FLOW	24DP	DICA ng/L	PICL ns/L	SILV	HCB HCB	234	2345 ns/L	2356	245 ng/L	246	PCPH
+ note sun ilme	n3/s	ns/L	1137 L	1137 L	na/L	1137 L	 ນ≅∖Γ	11371	ng/L	1137 L	n⊈/L	ua\r
1 05/10/82 11:00	2,70	100 <w< td=""><td>100<w< td=""><td>100<</td><td>50<u< td=""><td>1<₩</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<></td></w<></td></w<></td></u<></td></w<></td></w<>	100 <w< td=""><td>100<</td><td>50<u< td=""><td>1<₩</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<></td></w<></td></w<></td></u<></td></w<>	100<	50 <u< td=""><td>1<₩</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<></td></w<></td></w<></td></u<>	1<₩	100 <w< td=""><td>50<w< td=""><td>50<w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<></td></w<></td></w<>	50 <w< td=""><td>50<w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<></td></w<>	50 <w< td=""><td>50<⊌</td><td>50/¥</td><td>50KW</td></w<>	50<⊌	50/¥	50KW
CTATTON AO HA H												
STATION #8 West Hu	mper e na	34 34	35	36	37	38	39	40	41	42	43	44
•	FLOW	2408	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPI
‡ Nate and Time	1 3/5	ua/F	ns/L	ns/L	ns/L	ns/L	ua/F	ns/L	ns/L	ns/L	ns/L	ua\[
1 05/10/92 10:00	0.33	100 <w< td=""><td>100KW</td><td>100<#</td><td>50<₩</td><td>1<₩</td><td>100<₩</td><td>50KW</td><td>50KW</td><td>50<w< td=""><td>50<¥</td><td>50 (1</td></w<></td></w<>	100KW	100<#	50<₩	1<₩	100<₩	50KW	50KW	50 <w< td=""><td>50<¥</td><td>50 (1</td></w<>	50<¥	50 (1
STATION ‡9 Main Hum	aber @ We	est Humbo 34 24DP	er 25 DICA	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 246	44 PCP1
# Nate and Time	n 3/s	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	ns/L	ns/L	ne/L	ng/L
1 05/10/82 10:00	1.69	100 <w< td=""><td>100<₩</td><td>100<₩</td><td>50<₩</td><td>1</td><td>100<¥</td><td>50<₩</td><td>50<¥</td><td>50<⊭</td><td>50<u< td=""><td>5041</td></u<></td></w<>	100<₩	100<₩	50<₩	1	100<¥	50<₩	50<¥	50<⊭	50 <u< td=""><td>5041</td></u<>	5041
STATION #10 Humber	River 0			~,			70					
	ELOU	34 2400	35 nica	36 0101	37 em 11	38 ucp	39 274	40 2745	41 2754	42	43	44 pcpu
# Date and Time	FLOW m3/s	24DP n≤/L	DICA ng/L	PICL n⊴/L	SILV ng/L	HCB ng/L	234 ns/L	2345 ng/L	2356 ng/L	245 ng/L	245 ng/L	PCPH n⊴/L
	140/3	113/ 4	113/ L	113/ L	113/ L	1127 L	113/L	113/ L	113/L	113/ L	113/1	11271
1 05/10/82 09:00	2.10	100 <w< td=""><td>100<u< td=""><td>100<w< td=""><td>50<w< td=""><td>1<₩</td><td>100<₩</td><td>50<⊎</td><td>50<¥</td><td>50K¥</td><td>50<Ъ</td><td>50<1</td></w<></td></w<></td></u<></td></w<>	100 <u< td=""><td>100<w< td=""><td>50<w< td=""><td>1<₩</td><td>100<₩</td><td>50<⊎</td><td>50<¥</td><td>50K¥</td><td>50<Ъ</td><td>50<1</td></w<></td></w<></td></u<>	100 <w< td=""><td>50<w< td=""><td>1<₩</td><td>100<₩</td><td>50<⊎</td><td>50<¥</td><td>50K¥</td><td>50<Ъ</td><td>50<1</td></w<></td></w<>	50 <w< td=""><td>1<₩</td><td>100<₩</td><td>50<⊎</td><td>50<¥</td><td>50K¥</td><td>50<Ъ</td><td>50<1</td></w<>	1<₩	100<₩	50<⊎	50<¥	50K¥	50<Ъ	50<1
STATION #11 Black	Creek 0 t											
		34	35	36	37	38	39	40	41	42	43	44
t Data and Time	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	245	PCPF
‡ Date and Time	a3/s	ng/L	ng/L	ns/L	ng/L	ng/L	n⊴/L 	ns/L	ng/L	ng/L	ng/L	ng/L
1 05/10/82 11:45	0.13	100<⊌	100 <u< td=""><td>100<₩</td><td>50<₩</td><td>1<4</td><td>100<⊌</td><td>50<¥</td><td>50<¥</td><td>50<¥</td><td>50<₩</td><td>50<</td></u<>	100<₩	50<₩	1<4	100<⊌	50<¥	50<¥	50<¥	50<₩	50<

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 2 - OCTOBER 26, 1982

Conventional Water Quality Parameters and Bacteria

STATION \$1 (awlor	Creek				Phoeshatoe	Phosphorus	Face dua	Residue	Fecal	Fecal
# Nate and Time	FLOW m3/s	0005 m⊴/L 0	NH4 mg/L N	РĦ		Unf, total			Coliform 1/100mL	Stres 1/100mL
1 26/10/82 13:50	0.15	0.54	0.044	3.14	0.0140	0.032	850.	4.38	1060	120(=)
STATION #2 Don Riv	er 9 Fro	nt St.			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
‡ Date and Time	FLOW m3/s	ROD5 m≤/L O	NH4 D≤/L N	Нą		Unf, total			Colifora	Stres \$/100pL
1 25/10/82 14:15	1.79	4.67	0.790	7.46	0.0740	0.322	693.	12.00	5700	320
STATION ‡3 Humber	River @	Bloor St.		·						
	C 1 D 11	2025				Phosphorus		Residue		Fecal
‡ Date and Time	FLOW m3/s	BOD5 mg/L O	NH4 mg/L N	ρĦ	mg/L P	Unf,total mg/L P	ns/L	mg/L	Colifora #/100mL	Stree 1/100mL
1 25/10/82 15:25	3.79	0.96	0.040	8.47	0.0025KT	0.025	417.	8.00	140<=>	90<=>
STATION ‡4 Mimico	Creek @	GEW Offram			Phosphates	Phosehorus	Residue	Residue	Fecal	Fecal
# Nate and Time	FLOW m3/s	80D5 ≘≤/L D	NH4 Dg/L N	Hr	Filt, react	Unf, total	Filtra.	Partic. mg/L	Caliform #/100mL	Strep \$/100mL
1 25/10/82 14:50	0.41	0.91	0.090	3,29	0.0050	0.015	700.	19.20	220	140<=>
STATION #5 Black C	reek 2 S	icarlett Rd			FIX	066	0	0	C1	C1
	FLOW	8005	NH4	РĦ		Phosphorus Unf,total		Residue Partic.	Fecal Califora	Fecal Strep
‡ Date and Time	a 3/s	os/L O	mg/L N		as/L f	ms/L F	3 9/L	∌g/L	‡/100mL	:/100mL
1 24/10/82 11:45	0.25	1.50	0.008	9.36	0.0550	0.090	981.	9.55	4300	240

STATION ‡5 Humber	River @	Scarlett R	 ಚ.							
# Date and Time	FLOW m3/s	RODS mg/L 0	NH4 mg/L N	۶H		Phosphorus Unfitotal as/L P		Residue Partic. mg/L	Fecal Coliform #/100mL	Fecal Stres \$/100mL
1 26/10/82 11:30	2,59	0.79	0.052	9.44	0.0030	0.020	369.	17.50	30<≔	30/ =
STATION \$7 Humber	River @	Lawrence A	ve ,			Phosphorus	Residue	Residue	Fecal	Fecal
‡ Date and Time	FLOW	BODS mg/L O	NH4 mg/L N	ьH		Unf, total			Coliform	Stres 1/100mL
1 26/10/92 10:45	2.75	1.02	0,048	9.47	0.0035	0.021	347.	13.90	20<=	30<=
STATION #8 West Hu	ımber @ f	fain Humber			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
‡ Date and Time	FLOW m3/s	BOD5 mg/L O	NH4 ms/L N	рĦ		Unfitotal				Strep 1/100mL
1 26/10/82 09:50	0.41	0.36<1	0.028	9.50	0.0030	0.019	487,	1.36	90/=	40<=
STATION #9 Main Hu	mber 9 l	West Humber			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
# Date and Time	FLOW m3/s	BODS ms/L O	NH4 mg/L N	РΗ	Filt,react #9/L P	Unf,total	Filtra. as/L	Partic.	Coliforn #/100mL	Stres #/100mL
1 25/10/82 09:50	1.67	0.75	0.035	9,48	0.0045	0.019	385.	3.08	£0°=.	40√ ₹
STATION \$10 Humber						Phosphorus		Residue	Fecal	Fecal
# Date and Time	FLOW m3/s	BOD5 m⊴/L O	###4 22/L W	۶H	Filt, react	Unf,total mg/L P	Filtra. mg/L	Partic. #s/L	Coliform #/100mL	Stres 1/100mL
1 26/10/82 09:55	2.30	0.79	0.019	8.46	0.0035	0.019	347.	20.30	50	30: =
STATION #11 Black	Creek @	Lawrence A	ve.		Phosehates	Phosphorus	Residue	Residue	Fecal	Fecal
# Date and Time	FLOW a3/s	RODS m⊴/L O	NH4 ≊⊴/LN	Ня		Unf, total			Coliform #/100mL	Strep \$/100mL
1 26/10/82 11:10	0.10	1.49	0.044	9.13	0.0170	0.113	380.	23.00	420	340

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 2 - OCTOBER 26, 1982

Inorsanic Parameters (Metals)

⊫ Date and Time	FLOW	Cadmium	Chrosius	Copper	щетситя	Nickel	Lead	Zinc
25/10/92 13:50	0.15	0.0006	0.004	0.013	0.000!CR	0.003	0.005	0.013
ETATION #2 Bon Riv	er @ Fro	nt St.						
‡ Date and Time	m 3/s	es/L Cd	ms/L Cr	œs/L Cu	na\r Ha yerchia	BS/L NI	ms/L Pb	Zinc mg/L Zn
1 26/10/82 14:15								0.035
STATION #3 Humber			Chronium		Welchia	Nickel	Lead	Zinc
‡ Date and Time	a 3/s	ag/L Cd	mg/L Cr	a⊴/L Cu	us/L Hs	as/L Ni	ag/L Pb	os/L Zr
1 26/10/82 15:25								
STATION #4 Mimico	Creek @	QEW Offrac						
‡ Date and Tige	a 3/s	as/L Cd	ag/L Cr	as/L Cu	na/F Ha Hercora	ms/L Ni	es/L Pb	aa∖r Su Zinc
1 26/10/82 14:50								0.032
STATION #5 Black (Creek @ S	carlett Ro	 (.					
# Date and Time	m3/s	a≤/L Cd	Chromiua as/L Cr	≘s/L Cu	Mercury	Nickel mg/L Ni	Lead mg/L Pb	Zinc mg/L Zi

STATION #6 Humber	River 0	 Scarlett R	 d.					
# Date and Time			Chrocium es/L Cr					
1 26/10/82 11:30	2.59	E000.0	0.005	0.007	0.030<	0.005	800.0	0.042
STATION #7 Humber	River @	Lawrence A	ve.					
# Date and Time			Chromium					
1 25/10/82 10:45	2.76	0.0003	0.002	0.006	0.030<	0.005	0.004	0.004
				C	¥	Minks1	Land	7.00
‡ Date and Time	m 3/s	⊵ ⊴/L Cd	Chronium	m⊴/L Cu		ms/L Ni		
1 25/10/82 09:50	0.41	0.0004	0.003	0.011	0.030<	0.001	0.005	0.002
STATION #9 Main Hu	⊡ber 0 W	est Humber						
‡ Date and Time	FLOW m3/s	a⊴/L Cd	Chromium ms/L Cr	Copper ps/L Cu	na\r Ha Welchia	Nickel ms/L Ni	Lead ms/L Pb	Zinc mg/L Zn
1 26/10/82 09:50		0.0003	0.002	0.007	0.030<		0.003<	0.003
STATION \$10 Humber	River 0	Steeles A	ive.					
# Date and Time	a3/s	ms/L Cd		as/L Cu	na/F Ha	וא אוצם	מפוע פר	og/L Zn
1 26/10/82 09:55		0.0004		0.008	0.030<		0.004	0.014
STATION #11 Black	Creek 0	Lawrence A						
‡ Date and Time	FLOW m3/s	Guiabe3 New	Chrobius es/L Cr	Copper mg/L Cu	na\r Ha Welchia	Nickel as/L Ni	Lead mg/L Pb	Zinc ms/L Zn
1 25/10/82 11:10	0.10	0.0005	0.007	0.015	0.030<	0.003	0.014	0.030

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER GUALITY DATA

DRY EVENT 2 - OCTOBER 25, 1982

Pasticides and Orsanic Parameters

STATION #1 Taylor C	reek												
		10	11	12	13	14	15	16	17	19	19	20	21
	FLOW	ALDR	PHCA	BHCB	BHCG	CHLA	CHLG	DIEL	TOMO	EHD1	E3102	ENDR	ENDS
# Nate and Time	#3/s	ng/L	ns/L	ng/L	ng/L	ng/L	ns/L	ng/L	ng/L	ng/L	ng/L	ng/L	ns/L
1 26/10/82 13:50	0.15	149	2	1<¥	1<4	240	2<₩	2<발	549	2<및	0.00	4<대	0!00
STATION #2 Don Rive	r @ Fran												
		10	11	12	13	14	15	16	17	19	19	20	21
4 6.4 J T: -	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
‡ Date and Time	m3/s	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L	ua\r	ns/L	ns/L	ng/L	ns/L
1 25/10/82 14:15	1.78	1<⊌	7	5	12	24년	2K¥	2 <w< td=""><td>5<¥</td><td>249</td><td>4/11</td><td>4십년</td><td>4<u< td=""></u<></td></w<>	5<¥	249	4/11	4십년	4 <u< td=""></u<>
STATION #3 Humber R	iver 9 B												
	FLOW	10	11	12	13	14 CULA	15 cure	15	17 5457	18 EXD1	19 5ND2	20 EMB6	21 ENDO
# Date and Time	#3/s	ALDR n⊴/L	RHCA ng/L	BHCB ng/L	BHCG ng/L	CHLA ng/L	CHLG ns/L	DIEL DIEL	DMDT ng/L	ביאטן	END2 ns/L	ENDR ns/L	SUKE ns/L
* 1000 010 11ME	#3/3		112/ L	1137 L		1157 L	1137 L	115/ 5	1137 L	1137 L	1137 L	112/ L	113/ L
1 26/10/82 15:25	3.79	1<\	2	1 <w< td=""><td>1<w< td=""><td>2<⊌</td><td>2<₩</td><td>249</td><td>5<w< td=""><td>2<₩</td><td>0100</td><td>4<¥</td><td>0!00</td></w<></td></w<></td></w<>	1 <w< td=""><td>2<⊌</td><td>2<₩</td><td>249</td><td>5<w< td=""><td>2<₩</td><td>0100</td><td>4<¥</td><td>0!00</td></w<></td></w<>	2<⊌	2<₩	249	5 <w< td=""><td>2<₩</td><td>0100</td><td>4<¥</td><td>0!00</td></w<>	2<₩	0100	4<¥	0!00
STATION #4 Mimico C	reek 0 0	EW Offra	BP										
		10	11	12	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	TUNU	END1	END2	ENDR	ENDS
# Date and Time	n3/s	ns/L	rid/L	ng/L	ng/L	na/L	ua\r	ua\F	na/L	ua/F	ns/L	ng/L	ns/L
1 26/10/82 14:50	0.41	1<4	7	7	4	4	2//¥	2K¥	5/W	2/H	0100	4 (H	0100
STATION #5 Black Cr	eek @ Sc												
	C1 011	10	11	12	13	14	15	15	17	19	19	20	21
‡ Date and Time	FLOW a3/s	ALDR n≤/L	BHCA n≤/L	BHC3	BHCG nd/L	CHLA ns/L	ua\r CHF8	DIEL ng/L	DMDT DMDT	END1 ns/L	END2 ns/L	ENDR ns/L	SUN3 ENDS
1 25/10/82 11:45	0.25	1<¥	2	1<4	2	24W	2<¥	2/14	5<¥	244	0!00	4~W	0!00

	liver @ S												
‡ Date and Time	FLOW m3/s	10 ALŪR n⊴/L	11 BHCA ns/L	12 BHCB ng/L	13 BHCG na/L	14 CHLA ns/L	15 CHLG ns/L	16 DIEL ng/L	17 DNDT ng/L	18 END1 ns/L	19 END2 ng/L	20 ENDR ne/L	21 ENDS ng/L
1 26/10/82 11:30	2.59	1<₩	2	1<¥	149	2 <w< td=""><td>2<\</td><td>2<₩</td><td>5<ଧ</td><td>2<9</td><td>0!00</td><td>1<w< td=""><td>0 ! 0.0</td></w<></td></w<>	2<\	2<₩	5<ଧ	2<9	0!00	1 <w< td=""><td>0 ! 0.0</td></w<>	0 ! 0.0
STATION #7 Humber R	iver @ La												
# Date and Time	FLOW m3/s	10 ALDR ng/L	11 BHCA ng/L	12 BHCB ns/L	13 BHCG n≤/L	14 CHLA ng/L	15 CHLG n⊴/L	16 DIEL ng/L	17 DMDT ng/L	18 END1 ns/L	19 END2 na/L	20 ENDR ns/L	21 ENDS ns/L
1 26/10/82 10:45	2,76	. 1 <u< td=""><td>3</td><td>1건</td><td>5</td><td>2<⊭</td><td>2<₩</td><td>2₹₩</td><td>5<w< td=""><td>2<₩</td><td>0!00</td><td>1<₩</td><td>0!01</td></w<></td></u<>	3	1건	5	2<⊭	2<₩	2₹₩	5 <w< td=""><td>2<₩</td><td>0!00</td><td>1<₩</td><td>0!01</td></w<>	2<₩	0!00	1 <₩	0!01
		rs. Husba											
. Date and Time	FLOW m3/s	10 ALDR ns/L	11 BHCA ng/L	12 BHCB ns/L	13 BHCG ns/L	14 CHLA ns/L	na∖r CHr0 15	ua/r DIEr 19	17 DMDT ng/L	na/L END1 18	19 END2 ns/L	20 ENDR nd/L	21 ENDS na/L
1 26/10/82 09:50	0.41	1 <u< td=""><td>4</td><td>1<4</td><td>5</td><td>2<w< td=""><td>2KW</td><td>2<4</td><td>5<¥</td><td>2<₩</td><td>0!00</td><td>1<₩</td><td>0!0</td></w<></td></u<>	4	1<4	5	2 <w< td=""><td>2KW</td><td>2<4</td><td>5<¥</td><td>2<₩</td><td>0!00</td><td>1<₩</td><td>0!0</td></w<>	2KW	2<4	5<¥	2<₩	0!00	1<₩	0!0
STATION 40 Maia Una													
	FLOW	st Humbe 10 ALDR ng/L 1 <w< td=""><td>11 BHCA ng/L</td><td>12 BHCB ng/L</td><td>13 RHCG ns/L</td><td>14 CHLA ns/L</td><td>15 CHLG nd/L</td><td>16 DIEL ns/L</td><td>17 DMDT nd/L 5<w< td=""><td>18 END1 ns/L</td><td>19 END2 ns/L 0!0U</td><td>20 ENDR ns/L 4{W</td><td>21 ENDS ns/L</td></w<></td></w<>	11 BHCA ng/L	12 BHCB ng/L	13 RHCG ns/L	14 CHLA ns/L	15 CHLG nd/L	16 DIEL ns/L	17 DMDT nd/L 5 <w< td=""><td>18 END1 ns/L</td><td>19 END2 ns/L 0!0U</td><td>20 ENDR ns/L 4{W</td><td>21 ENDS ns/L</td></w<>	18 END1 ns/L	19 END2 ns/L 0!0U	20 ENDR ns/L 4{W	21 ENDS ns/L
# Date and Time 1 26/10/82 09:50	FLOW m3/s 1.67 River @	10 ALDR ns/L 1 <w< td=""><td>11 BHCA nd/L 2 Ave. 11</td><td>BHCB ng/L 1<u< td=""><td>RHCG ng/L 3</td><td>CHLA ns/L 2<w< td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2KW</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<></td></w<></td></w<></td></w<></td></u<></td></w<>	11 BHCA nd/L 2 Ave. 11	BHCB ng/L 1 <u< td=""><td>RHCG ng/L 3</td><td>CHLA ns/L 2<w< td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2KW</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<></td></w<></td></w<></td></w<></td></u<>	RHCG ng/L 3	CHLA ns/L 2 <w< td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2KW</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<></td></w<></td></w<></td></w<>	CHLG ng/L 2 <w< td=""><td>DIEL ng/L 2KW</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<></td></w<></td></w<>	DIEL ng/L 2KW	DMDT ng/L 5 <w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<></td></w<>	ENDI ns/L 2 <w< td=""><td>END2 nd/L 0!QU</td><td>ENDR ns/L 4{W</td><td>ENDS nd/L 0!00</td></w<>	END2 nd/L 0!QU	ENDR ns/L 4{W	ENDS nd/L 0!00
# Date and Time 26/10/82 09:50 STATION #10 Humber # Date and Time	FLOW m3/s 1.67	10 ALDR ns/L 1 <w< td=""><td>11 BHCA nd/L 2</td><td>BHCB ng/L 1<u< td=""><td>RHCG ng/L 3</td><td>CHLA ns/L 2<w< td=""><td>CHLG nd/L 2<w< td=""><td>DIEL ns/L 24W</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<></td></w<></td></w<></td></w<></td></u<></td></w<>	11 BHCA nd/L 2	BHCB ng/L 1 <u< td=""><td>RHCG ng/L 3</td><td>CHLA ns/L 2<w< td=""><td>CHLG nd/L 2<w< td=""><td>DIEL ns/L 24W</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<></td></w<></td></w<></td></w<></td></u<>	RHCG ng/L 3	CHLA ns/L 2 <w< td=""><td>CHLG nd/L 2<w< td=""><td>DIEL ns/L 24W</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<></td></w<></td></w<></td></w<>	CHLG nd/L 2 <w< td=""><td>DIEL ns/L 24W</td><td>DMDT ng/L 5<w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<></td></w<></td></w<>	DIEL ns/L 24W	DMDT ng/L 5 <w< td=""><td>ENDI ns/L 2<w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<></td></w<>	ENDI ns/L 2 <w< td=""><td>END2 ng/L 0!QU</td><td>ENDR ns/L 4<w< td=""><td>ENDS ns/L 0100</td></w<></td></w<>	END2 ng/L 0!QU	ENDR ns/L 4 <w< td=""><td>ENDS ns/L 0100</td></w<>	ENDS ns/L 0100
# Date and Time 	FLOW m3/s 1.67 River @:	10 ALDR nd/L 1 <w 10="" aldr<="" steeles="" td=""><td>11 BHCA ng/L 2 Ave. 11 BHCA</td><td>BHCB nd/L 1<u< td=""><td>RHCG nd/L 3 13 RHCG</td><td>CHLA ns/L 2<w 14="" chla<="" td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2<w< td=""><td>DMDT nd/L 5<w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w></td></w<></td></w<></td></w></td></u<></td></w>	11 BHCA ng/L 2 Ave. 11 BHCA	BHCB nd/L 1 <u< td=""><td>RHCG nd/L 3 13 RHCG</td><td>CHLA ns/L 2<w 14="" chla<="" td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2<w< td=""><td>DMDT nd/L 5<w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w></td></w<></td></w<></td></w></td></u<>	RHCG nd/L 3 13 RHCG	CHLA ns/L 2 <w 14="" chla<="" td=""><td>CHLG ng/L 2<w< td=""><td>DIEL ng/L 2<w< td=""><td>DMDT nd/L 5<w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w></td></w<></td></w<></td></w>	CHLG ng/L 2 <w< td=""><td>DIEL ng/L 2<w< td=""><td>DMDT nd/L 5<w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w></td></w<></td></w<>	DIEL ng/L 2 <w< td=""><td>DMDT nd/L 5<w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w></td></w<>	DMDT nd/L 5 <w 17="" dmdt<="" td=""><td>END1 ns/L 2<w 18 END1</w </td><td>END2 nd/L 0!OU 19 END2</td><td>ENDR ns/L 4 (M 20 ENDR</td><td>ENDS nd/L 0:00 21 ENDS</td></w>	END1 ns/L 2 <w 18 END1</w 	END2 nd/L 0!OU 19 END2	ENDR ns/L 4 (M 20 ENDR	ENDS nd/L 0:00 21 ENDS
# Date and Time 1 26/10/82 09:50 STATION #10 Humber # Date and Time	FLOW m3/s 1.67 River @ : FLOW m3/s 2.30	10 ALDR ns/L 1 <w 10="" 1<w<="" aldr="" l="" ns="" steeles="" td=""><td>11 BHCA ng/L 2 Ave. 11 BHCA ng/L 10 Ave. 11</td><td>12 BHCB 14 BHCB na/L 14 12</td><td>BHCG ns/L 3 13 BHCG ns/L 1<w< td=""><td>CHLA nd/L 2<w 14="" 2<w<="" chla="" l="" nd="" td=""><td>15 CHLG ns/L 2<w 15 CHLG ns/L 2<w< td=""><td>16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w></td></w<></w </td></w<></w </td></w></td></w<></td></w>	11 BHCA ng/L 2 Ave. 11 BHCA ng/L 10 Ave. 11	12 BHCB 14 BHCB na/L 14 12	BHCG ns/L 3 13 BHCG ns/L 1 <w< td=""><td>CHLA nd/L 2<w 14="" 2<w<="" chla="" l="" nd="" td=""><td>15 CHLG ns/L 2<w 15 CHLG ns/L 2<w< td=""><td>16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w></td></w<></w </td></w<></w </td></w></td></w<>	CHLA nd/L 2 <w 14="" 2<w<="" chla="" l="" nd="" td=""><td>15 CHLG ns/L 2<w 15 CHLG ns/L 2<w< td=""><td>16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w></td></w<></w </td></w<></w </td></w>	15 CHLG ns/L 2 <w 15 CHLG ns/L 2<w< td=""><td>16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w></td></w<></w </td></w<></w 	16 DIEL ns/L 2KW	DMDT ns/L 5 <w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w></td></w<></w 	END1 ns/L 2 <w 18="" 2<w<="" end1="" l="" ns="" td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<></td></w>	END2 nd/L 010U 19 END2 nd/L 4 <w< td=""><td>ENDR ns/L 44W 20 ENDR ns/L 44W</td><td>ENDS ns/L 010L 21 ENDS ns/L 4<¥</td></w<>	ENDR ns/L 44W 20 ENDR ns/L 44W	ENDS ns/L 010L 21 ENDS ns/L 4<¥
# Date and Time 1 26/10/92 09:50 STATION #10 Humber # Date and Time 1 26/10/92 09:55	FLOW m3/s 1.67 River 0: FLOW m3/s 2.30	10 ALDR nd/L 1 <w 10="" 1<w<="" aldr="" l="" ns="" steeles="" td=""><td>11 BHCA ng/L 2 Ave. 11 BHCA ng/L 10 Ave.</td><td>12 BHCB ns/L 12 BHCB ns/L</td><td>13 8HCG ns/L 13 14CG ns/L</td><td>CHLA nd/L 2<w 14 CHLA nd/L 2<w< td=""><td>CHLG ns/L 2KW 15 CHLG ns/L 2KW</td><td>DIEL ns/L 2KW 16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18 END1 ns/L 2<w< td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 4<w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w </td></w<></td></w<></w </td></w<></w </td></w<></w </td></w>	11 BHCA ng/L 2 Ave. 11 BHCA ng/L 10 Ave.	12 BHCB ns/L 12 BHCB ns/L	13 8HCG ns/L 13 14CG ns/L	CHLA nd/L 2 <w 14 CHLA nd/L 2<w< td=""><td>CHLG ns/L 2KW 15 CHLG ns/L 2KW</td><td>DIEL ns/L 2KW 16 DIEL ns/L 2KW</td><td>DMDT ns/L 5<w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18 END1 ns/L 2<w< td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 4<w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w </td></w<></td></w<></w </td></w<></w </td></w<></w 	CHLG ns/L 2KW 15 CHLG ns/L 2KW	DIEL ns/L 2KW 16 DIEL ns/L 2KW	DMDT ns/L 5 <w 17 DMDT ns/L 5<w< td=""><td>END1 ns/L 2<w 18 END1 ns/L 2<w< td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 4<w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w </td></w<></td></w<></w </td></w<></w 	END1 ns/L 2 <w 18 END1 ns/L 2<w< td=""><td>END2 nd/L 010U 19 END2 nd/L 4<w< td=""><td>ENDR ns/L 4<w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w </td></w<></td></w<></w 	END2 nd/L 010U 19 END2 nd/L 4 <w< td=""><td>ENDR ns/L 4<w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w </td></w<>	ENDR ns/L 4 <w 20 ENDR ns/L 4<w< td=""><td>ENDS ns/L 010t 21 ENDS ns/L 4<¥</td></w<></w 	ENDS ns/L 010t 21 ENDS ns/L 4<¥

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 2 - OCTORER 26, 1982

Pesticides and Orsanic Parameters

STATION #1 Taylor C	reek												
		22	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEP'E	HEPT	HIRX	OCHL	OPDT	PCST	PP:DD	PPDE	PPDT	245T	241	2408
# Nate and Time	a 3/s	ns/L	ris/L	ns/L	r/3/L	n⊴/L	n⊴/L	n≊/L	ns/L	ng/L	ng/L	na./L	ng/L
1 25/10/82 13:50	0.15	1 <u< td=""><td>1<9</td><td>5<₩</td><td>2<발</td><td>5<\</td><td>20<¥</td><td>5<ม</td><td>1<9</td><td>5<¥</td><td>50<¥</td><td>100<พ</td><td>200⊴⊌</td></u<>	1<9	5<₩	2<발	5<\	20<¥	5<ม	1<9	5<¥	50<¥	100<พ	200⊴⊌
	9												
STATION #2 Don Rive	r @ Fron	 t St.											
		22	23	24	25	26	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPET	PCBT	PPDD	PPDE	FPDT	245T	240	2409
# Date and Time	n3/s	ns/L	ns/L	ng/L	ng/L	ns/L	ng/L	ng/L	n⊴/L	n⊴/L	ng/L	ns/L	ns/L
1 25/10/82 14:15	1.78	1 (₩	1<1	5KW	2 <w< td=""><td>5<#</td><td>20<₩</td><td>5<₩</td><td>1<9</td><td>5<¥</td><td>50<น</td><td>100<w< td=""><td>200<₩</td></w<></td></w<>	5<#	20<₩	5<₩	1<9	5<¥	50<น	100 <w< td=""><td>200<₩</td></w<>	200<₩
STATION #3 Humber R	iver @ B	loor St.	· 										
		22	23	24	25	25	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OF ET	FCBT	PPDD	PPDE	PPDT	245T	240	2408
# Date and Time	1 3/5	ns/L	ng/L	ri⊴/L	ng/L	ng/L	ns/L	ng/L	ng/L	ng/L	ng/L	ns/L	ns/L
1 26/10/82 15:25	3.79	1<4	1<4	5KW	2₹₩	5KW	20<¥	5<₩	1<₩ _.	5<¥	50<¥	100<₩	200 <w< td=""></w<>
STATION #4 Mimico C	reek 0 0												
		22	23	24	25	25	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCST	PFDD	PPDE	PPDT	245T	24D	24DB
# Date and Time	n3/s	ns/L	ns/L	ns/L	ng/L	ua/F	ng/L	ns/L	ng/L	nd/L	ns/L	rid/L	rıs/L
1 25/10/82 14:50	0.41	1 (9	1석발	5K U	2<₩	5<\b	20/¥	5<¥	149	5K¥	50KW	100<₩	200 <a< td=""></a<>
STATION #5 Black Cr	eek @ Sc												
		22	23	24	25	25	27	29	29	30	31	32	33
A Data and Ti-	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	2409
# Nate and Time	23 /5	ng/L 	rig/L	ng/L	ng/L 	n⊴/L	ng/L	ng/L	ua\f	n⊴/L	nst/L	ns/L	ns/L
1 25/10/82 11:45	0.25	1<\	1<4	5<₩	2<4	5<₩	20<₩	5 <w< td=""><td>140</td><td>5<¥</td><td>50<¥</td><td>1004¥</td><td>20049</td></w<>	140	5< ¥	50<¥	1004¥	20049

STATION #6 Humber R	tiver @ Sr												
	51.011	22	23 ucot	24 HTDV	25 00u	26 00:01	27 PCBT	29 PPDD	29 PPDE	30 PFDT	31 245T	32 24D	33 24DB
‡ Date and Time	FLOW a3/s	ua\r HEbE	HEPT ng/L	MIRX ng/L	OCHL ns/L	OF∙DT n⊴/L	ns/L	กร/L	ng/L	ns/L	1401 ng/L	140 ng/L	ng/L
1 26/10/82 11:30 	2.59	14발 	1<1	5 <w< td=""><td>2<₩</td><td>5<¥ </td><td>20<₩</td><td>5<₩ </td><td>1 (W</td><td>54¥ </td><td>50KW</td><td>100KH</td><td>2004</td></w<>	2<₩	5<¥ 	20<₩	5<₩ 	1 (W	54¥ 	50KW	100KH	2004
STATION #7 Humber R	liver @ L	35 swieuce	Ave. 23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	24D	24DB
‡ Date and Time	n3/s	ua\r	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ns/L	ns/L
1 26/10/82 10:45	2.76	1 <w< td=""><td>1<w< td=""><td>5<\#</td><td>2<w< td=""><td>5<w< td=""><td>20<₩</td><td>5<¥</td><td>1<₩</td><td>5<w< td=""><td>50<¥</td><td>100<w< td=""><td>2004</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	1 <w< td=""><td>5<\#</td><td>2<w< td=""><td>5<w< td=""><td>20<₩</td><td>5<¥</td><td>1<₩</td><td>5<w< td=""><td>50<¥</td><td>100<w< td=""><td>2004</td></w<></td></w<></td></w<></td></w<></td></w<>	5<\#	2 <w< td=""><td>5<w< td=""><td>20<₩</td><td>5<¥</td><td>1<₩</td><td>5<w< td=""><td>50<¥</td><td>100<w< td=""><td>2004</td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>20<₩</td><td>5<¥</td><td>1<₩</td><td>5<w< td=""><td>50<¥</td><td>100<w< td=""><td>2004</td></w<></td></w<></td></w<>	20<₩	5<¥	1<₩	5 <w< td=""><td>50<¥</td><td>100<w< td=""><td>2004</td></w<></td></w<>	50<¥	100 <w< td=""><td>2004</td></w<>	2004
STATION #8 West Hum	ber 0 Ma			2.4	25	27	^7			70	71	70	
	FLOW	22 HEPE	23 HEPT	24 HIRX	25 OCHL	26 OPDT	27 PCBT	29 PP:DD	29 PPDE	30 PPDT	31 245T	32 24D	33 24DI
‡ Date and Time	513/s	ns/L	ns/L	ua\r urx	ns/L	กร/L	ns/L	ng/L	ris/L	ua\r Lani	ua\r	ua/F	ns/
1 26/10/82 09:50	0.41	1 <w< td=""><td>1<9</td><td>5<w< td=""><td>2KW</td><td>5<w< td=""><td>20KW</td><td>5KW</td><td>149</td><td>5<.W</td><td>50KW</td><td>100<¥</td><td>200<</td></w<></td></w<></td></w<>	1<9	5 <w< td=""><td>2KW</td><td>5<w< td=""><td>20KW</td><td>5KW</td><td>149</td><td>5<.W</td><td>50KW</td><td>100<¥</td><td>200<</td></w<></td></w<>	2KW	5 <w< td=""><td>20KW</td><td>5KW</td><td>149</td><td>5<.W</td><td>50KW</td><td>100<¥</td><td>200<</td></w<>	20KW	5KW	149	5<.W	50KW	100<¥	200<
	·												
STATION #7 Main Hum	ber @ Wes	st Humbe	r										
		22	23	24	25	26	27	29	29	30 00:01	31	32 240	33
	aber @ Wes			24 HIRX	25 OCHL ns/L	26 0PBT ns/L	27 PCBT ng/L	28 PPDD ng/L	29 PPDE ns/L	30 PFDT n⊴/L	31 2457 ng/L	32 24D ng/L	240
STATION ‡9 Main Hum ‡ Date and Time	FLOW m3/s	22 HEPE ng/L	23 HEPT ns/L	ua\r HIKX	OCHL	OPDT ng/L	na/L	na/L	ng/L	PFDT ng/L	245T ng/L	24I) ns/L	24D ns/
STATION ₹9 Main Hum	FLOW	22 HEPE	23 HEPT	XXIH	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	240
STATION ‡9 Main Hum ‡ Date and Time	FLOW m3/s	22 HEPE ng/L	23 HEPT ns/L	HIRX ng/L 5 <w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	OCHL ns/L 2 <w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<>	OPDT nsi/L 5 <w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<>	PCBT nd/L 20 <w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<>	SVA PANT	PPDE ng/L 1 <w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<></td></w<>	PFDT ng/L 5<₩	245T ns/L 50 <w< td=""><td>24D ns/L 100/W</td><td>24D ns/ 200<</td></w<>	24D ns/L 100/W	24D ns/ 200<
STATION #7 Main Hum # Date and Time 1 26/10/82 09:50	FLOW #3/s 1.67	22 HEPE ns/L 1 <w Steeles</w 	23 HEPT ns/L 1 <w< td=""><td>HIRX ng/L 5<w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT ns/L 5<w< td=""><td>PCBT ns/L 20<w< td=""><td>PPDD ns/L 5/Y 28</td><td>PPDE ns/L 1<w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	HIRX ng/L 5 <w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT ns/L 5<w< td=""><td>PCBT ns/L 20<w< td=""><td>PPDD ns/L 5/Y 28</td><td>PPDE ns/L 1<w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	OCHL ns/L 2 <w< td=""><td>OPDT ns/L 5<w< td=""><td>PCBT ns/L 20<w< td=""><td>PPDD ns/L 5/Y 28</td><td>PPDE ns/L 1<w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	OPDT ns/L 5 <w< td=""><td>PCBT ns/L 20<w< td=""><td>PPDD ns/L 5/Y 28</td><td>PPDE ns/L 1<w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<></td></w<>	PCBT ns/L 20 <w< td=""><td>PPDD ns/L 5/Y 28</td><td>PPDE ns/L 1<w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<></td></w<>	PPDD ns/L 5/Y 28	PPDE ns/L 1 <w< td=""><td>PFDT ng/L 5<w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<></td></w<>	PFDT ng/L 5 <w< td=""><td>245T ng/L 50<w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<></td></w<>	245T ng/L 50 <w< td=""><td>24D ng/L 1004W</td><td>24D ns/ 200<</td></w<>	24D ng/L 1004W	24D ns/ 200<
STATION #7 Main Hum # Date and Time 1 26/10/82 09:50	FLOW m3/s	22 HEPE ng/L 1 <w< td=""><td>23 HEPT ns/L 1<w< td=""><td>HIRX ng/L 5<w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	23 HEPT ns/L 1 <w< td=""><td>HIRX ng/L 5<w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	HIRX ng/L 5 <w< td=""><td>OCHL ns/L 2<w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	OCHL ns/L 2 <w< td=""><td>OPDT nsi/L 5<w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<></td></w<></td></w<>	OPDT nsi/L 5 <w< td=""><td>PCBT nd/L 20<w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<></td></w<>	PCBT nd/L 20 <w< td=""><td>SVA PANT</td><td>PPDE ng/L 1<w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<></td></w<>	SVA PANT	PPDE ng/L 1 <w< td=""><td>PFDT ng/L 5<₩</td><td>245T ns/L 50<w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<></td></w<>	PFDT ng/L 5<₩	245T ns/L 50 <w< td=""><td>24D ns/L 100/W</td><td>24D ns/</td></w<>	24D ns/L 100/W	24D ns/
\$TATION #9 Main Hum Date and Time 1 26/10/92 09:50 STATION #10 Humber Date and Time	FLOW #3/s 1.67 River 3 : FLOW #3/s	22 HEPE nd/L 1 <w Steeles 22 HEPE nd/L</w 	23 HEPT ns/L 1 <w Ave, 23 HEPT ns/L</w 	HIRX nd/L 5 <w 24="" hirx="" l<="" ns="" td=""><td>OCHL ns/L 2<w 25="" l<="" ns="" ochl="" td=""><td>OPDT ns/L 5<w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24D ns/ 200< 33 24D ns/</td></w></td></w></td></w>	OCHL ns/L 2 <w 25="" l<="" ns="" ochl="" td=""><td>OPDT ns/L 5<w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24D ns/ 200< 33 24D ns/</td></w></td></w>	OPDT ns/L 5 <w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24D ns/ 200< 33 24D ns/</td></w>	PCBT nd/L 20 <w 27 PCBT nd/L</w 	PPDD nd/L 5/W 28 PPDD nd/L	PPDE ns/L 1KW 29 PPDE ns/L	PPDT nd/L 5 <w 30 PPDT nd/L</w 	245T ng/L 50 <w 31 245T ng/L</w 	24D ns/L 100/W 32 24D ns/L	24D ns/ 200< 33 24D ns/
\$TATION \$9 Main Hum Date and Time 26/10/82 09:50 STATION \$10 Humber	FLOW m3/s 1.67 River 3 :	22 HEPE ns/L 1 <w Steeles 22 HEPE</w 	23 HEPT ns/L 1 <w Ave, 23 HEPT</w 	HIRX ng/L 5 <w< td=""><td>0CHL ns/L 2<w 25 0CHL</w </td><td>0PBT ng/L 5<₩ 26 0PDT</td><td>PCBT nd/L 20<w 27 PCBT</w </td><td>99 PPDD 28 PPDD</td><td>PPDE ns/L 1<w 29 PPDE</w </td><td>9F:DT ng/L 5<w 30 PP:DT</w </td><td>245T ng/L 50<w 245t<="" 31="" td=""><td>24D ns/L 100/W 32 24D</td><td>245 ns/ 200< 33 245</td></w></td></w<>	0CHL ns/L 2 <w 25 0CHL</w 	0PBT ng/L 5<₩ 26 0PDT	PCBT nd/L 20 <w 27 PCBT</w 	99 PPDD 28 PPDD	PPDE ns/L 1 <w 29 PPDE</w 	9F:DT ng/L 5 <w 30 PP:DT</w 	245T ng/L 50 <w 245t<="" 31="" td=""><td>24D ns/L 100/W 32 24D</td><td>245 ns/ 200< 33 245</td></w>	24D ns/L 100/W 32 24D	245 ns/ 200< 33 245
\$TATION #9 Main Hum Date and Time 1 26/10/92 09:50 STATION #10 Humber Date and Time	FLOW #3/s 1.67 River 9: FLOW #3/s 2.30	22 HEPE ns/L 1 <w Steeles 22 HEPE ns/L</w 	23 HEPT ns/L 1 <w Ave, 23 HEPT ns/L</w 	HIRX nd/L 5 <w 24="" hirx="" l<="" ns="" td=""><td>OCHL ns/L 2<w 25="" l<="" ns="" ochl="" td=""><td>OPDT ns/L 5<w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24E ns/ 200< 33 24E ns/</td></w></td></w></td></w>	OCHL ns/L 2 <w 25="" l<="" ns="" ochl="" td=""><td>OPDT ns/L 5<w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24E ns/ 200< 33 24E ns/</td></w></td></w>	OPDT ns/L 5 <w 26="" l<="" ns="" opdt="" td=""><td>PCBT nd/L 20<w 27 PCBT nd/L</w </td><td>PPDD nd/L 5/W 28 PPDD nd/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L</td><td>PPDT nd/L 5<w 30 PPDT nd/L</w </td><td>245T ng/L 50<w 31 245T ng/L</w </td><td>24D ns/L 100/W 32 24D ns/L</td><td>24E ns/ 200< 33 24E ns/</td></w>	PCBT nd/L 20 <w 27 PCBT nd/L</w 	PPDD nd/L 5/W 28 PPDD nd/L	PPDE ns/L 1KW 29 PPDE ns/L	PPDT nd/L 5 <w 30 PPDT nd/L</w 	245T ng/L 50 <w 31 245T ng/L</w 	24D ns/L 100/W 32 24D ns/L	24E ns/ 200< 33 24E ns/
\$TATION #7 Main Hum Date and Time 1 26/10/82 09:50 STATION #10 Humber # Date and Time 1 26/10/82 09:55	FLOW #3/s 1.67 River 2: FLOW #3/s 2.30 Creek @ L	22 HEPE ns/L 1 <u 1<u="" 22="" 22<="" awrence="" hepe="" l="" ns="" steeles="" td=""><td>23 HEPT ns/L 1<w 1<w="" 23="" ave.="" hept="" l="" l<="" ns="" td=""><td>#IRX ns/L 5<w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w></td></w></td></w></td></w></td></w></td></u>	23 HEPT ns/L 1 <w 1<w="" 23="" ave.="" hept="" l="" l<="" ns="" td=""><td>#IRX ns/L 5<w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w></td></w></td></w></td></w></td></w>	#IRX ns/L 5 <w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w></td></w></td></w></td></w>	0CHL ns/L 2KW 25 0CHL ns/L 2KW	0PBT ns/L 5 <w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w></td></w></td></w>	PCBT ns/L 20 <w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w></td></w>	PPDD ns/L	PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29	PPDT ng/L 5 <w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w></td></w>	245T ns/L 50 <w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w></td></w>	24D ng/L 100 <w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns., 2004 2004 33 241 ns., 2004</td></w>	241 ns., 2004 2004 33 241 ns., 2004
# Date and Time 1 26/10/92 09:50 STATION #10 Humber # Date and Time 1 26/10/92 09:55 STATION #11 Black (FLOW #3/s 1.67 River 2 : FLOW #3/s 2.30 Creek @ L FLOW	22 HEPE ns/L 1 <u 1<u<="" 22="" hepe="" l="" ns="" steeles="" td=""><td>23 HEPT ns/L 1<w 1<w="" 1<w<="" 23="" ave.="" hept="" l="" ns="" td=""><td>HIRX ns/L 5<w 24="" 5<w="" hirx="" hirx<="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW 25 0CHL</td><td>0PDT ns/L 5<w 0pdt="" 0pdt<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" l="" ns="" pcbt="" pcbt<="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE</td><td>PPDT nd/L 5<w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w></td></w></td></u>	23 HEPT ns/L 1 <w 1<w="" 1<w<="" 23="" ave.="" hept="" l="" ns="" td=""><td>HIRX ns/L 5<w 24="" 5<w="" hirx="" hirx<="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW 25 0CHL</td><td>0PDT ns/L 5<w 0pdt="" 0pdt<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" l="" ns="" pcbt="" pcbt<="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE</td><td>PPDT nd/L 5<w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w></td></w>	HIRX ns/L 5 <w 24="" 5<w="" hirx="" hirx<="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW 25 0CHL</td><td>0PDT ns/L 5<w 0pdt="" 0pdt<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" l="" ns="" pcbt="" pcbt<="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE</td><td>PPDT nd/L 5<w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w>	0CHL ns/L 2KW 25 0CHL ns/L 2KW 25 0CHL	0PDT ns/L 5 <w 0pdt="" 0pdt<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" l="" ns="" pcbt="" pcbt<="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE</td><td>PPDT nd/L 5<w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w>	PCBT ns/L 20 <w 20<w="" 27="" l="" ns="" pcbt="" pcbt<="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE</td><td>PPDT nd/L 5<w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w>	PPDD ns/L	PPDE ns/L 1KM 29 PPDE ns/L 1KM 29 PPDE ns/L 29 PPDE	PPDT nd/L 5 <w 30="" 5<w="" l="" l<="" nd="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w>	245T ns/L 50 <w 245t="" 245t<="" 31="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w>	24D ng/L 100 <w 100<w="" 24d="" 24d<="" 32="" l="" ng="" td=""><td>241 ns. 200-</td></w>	241 ns. 200-
\$TATION #7 Main Hum Date and Time 1 26/10/82 09:50 STATION #10 Humber # Date and Time 1 26/10/82 09:55	FLOW #3/s 1.67 River 2: FLOW #3/s 2.30 Creek @ L	22 HEPE ns/L 1 <u 1<u="" 22="" 22<="" awrence="" hepe="" l="" ns="" steeles="" td=""><td>23 HEPT ns/L 1<w 1<w="" 23="" ave.="" hept="" l="" l<="" ns="" td=""><td>#IRX ns/L 5<w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w></td></w></td></u>	23 HEPT ns/L 1 <w 1<w="" 23="" ave.="" hept="" l="" l<="" ns="" td=""><td>#IRX ns/L 5<w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w></td></w>	#IRX ns/L 5 <w 24="" 24<="" 5<w="" hirx="" l="" ns="" td=""><td>0CHL ns/L 2KW 25 0CHL ns/L 2KW</td><td>0PBT ns/L 5<w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w></td></w>	0CHL ns/L 2KW 25 0CHL ns/L 2KW	0PBT ns/L 5 <w 0pbt="" 25<="" 26="" 5<w="" l="" ns="" td=""><td>PCBT ns/L 20<w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w></td></w>	PCBT ns/L 20 <w 20<w="" 27="" 27<="" l="" ns="" pcbt="" td=""><td>PPDD ns/L</td><td>PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29</td><td>PPDT ng/L 5<w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w></td></w>	PPDD ns/L	PPDE ns/L 1KW 29 PPDE ns/L 1KW 29 PPDE ns/L 1KW 29	PPDT ng/L 5 <w 30="" 30<="" 5<w="" l="" ng="" ppdt="" td=""><td>245T ns/L 50<w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w></td></w>	245T ns/L 50 <w 245t="" 31="" 31<="" 50<w="" l="" ns="" td=""><td>24D ng/L 100<w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w></td></w>	24D ng/L 100 <w 100<w="" 24d="" 32="" 32<="" l="" ng="" td=""><td>241 ns. 200-</td></w>	241 ns. 200-

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA DRY EVENT 2 - OCTOBER 25, 1982

Pesticides and Organic Parameters

STATION #1 Taylor Cr	· ·eek.											
		34	35	35	37	38	39	40	41	42	43	44
	FLOW	21DP	BICA	FICL	SILV	HCB	234	2345	2356	245	246	ьсьн
‡ Date and Time	n3/s	ng/L	ng/L	ng/L	ns/L	ng/L	ng/L	ns/L	ng/L	ng/L	ng/L	ng/L
1 25/10/82 13:50	0.15	100<및	100<대	100KH	50<¥	1 <w< td=""><td>100<¥</td><td>50<¥</td><td>50<₩</td><td>50<น</td><td>50KW</td><td>50<₩</td></w<>	100<¥	50<¥	50<₩	50<น	50KW	50<₩
•												
STATION #2 Don River	9 Fron	nt St. 34	35	36	37	38	39	40	41	42	43	14
	EI NU	24DF	DICA	PICL	SILV	HCB	234	2345	2354	245	246	PCPH
# Date and Time	m3/s		ns/L	ng/L	ng/L	ns/L	ng/L	na/L	ns/L	ns/L	ns/L	ns/L
1 26/10/82 14:15	1.78	100KW	100 <w< td=""><td>100<₩</td><td>50<₩</td><td>3</td><td>100<⊌</td><td>50<₩</td><td>50<¥</td><td>50<w< td=""><td>50<¥</td><td>50<₩</td></w<></td></w<>	100<₩	50<₩	3	100<⊌	50<₩	50<¥	50 <w< td=""><td>50<¥</td><td>50<₩</td></w<>	50<¥	50<₩
STATION #3 Humber Ri	ver 2 E					70	70					
	בו מוו	34	35	36	37	38	39	40	41	42	43	44 000U
# Nate and Time		24DP ng/l	DICA ng/L	PICL n⊴/L	SILV ng/L	HCB ng/L	234 ng/L	2345 ns/L	2356 ng/L	245 ng/L	246 nd/L	PCPH n⊴/L
+ 1016 910 /106	43/3	113/1	1137 L	113/6	1137 L	113/ L	113/6	1137 L	1137 L	1157 L	11	113/ 5
1 26/10/82 15:25	3.79	100<₩	100<	100<¥	50<14	1<9	100<¥	50<¥	50<¥	50<¥	50< U	50/9
STATION #4 Mimico Cr	eek @ 0	EW Offr	8&P									
		34	35	36	37	38	39	40	41	42	43	44
	FLOW		DICA	PICL	SILV	HCB	234	2345	2358	245	246	PCPH
† Date and Tise	a3/s	ns/L	ns/L	ns/L	ris/L	ng/L	ns/L	ng/L	ns/L	ns/L	ng/L	ns/L
1 25/10/82 14:50	0.41	100<	100<4	100<¥	50K¥	119	100<₩	50/₩	50/9	50KW	50°¥	210
STATION #5 Black Cre	ek @ So	arlett 34	Rd. 35	36	37	38	39	40	41	42	43	44
	FLOW		DICA	PICL	SILV	HCB	234	2345	2358	245	246	PCFH
‡ Date and Time	13/5		ns/L	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	ris/L	us/r	ris/L
1 25/10/82 11:45	0.25	100<¥	100<₩	100KW	50K¥	144	1004¥	50<¥	50<¥	50/¥	50/N	50/¥

FLOW 24DP DICA PICL SILV HCB 234 2345 1 ‡ Date and Time m3/s ms/L ms/L ms/L ms/L ms/L ms/L ms/L ms	41 42 2356 245 na/L ma/L	43 246	14
FLOW 24DP BICA FICL SILV HCB 234 2345 2 Date and Time m3/s nms/L	2358 245		14
# Date and Time m3/s ns/L ns/L ns/L ns/L ns/L ns/L ns/L ns			
			EC5H
1 25/10/82 11:30 2.59 100KW 100KW 50KW 1KW 100KW 50KW 5	12/1	ris/L	ns/L
	50KW 50KW	50/¥	50× ¥
	41 42	43	44
	2356 245	246	PCPH
	ns/L ns/L	ris/L	ng/L
	50 <w 50<w<="" td=""><td>50K¥</td><td>50<w< td=""></w<></td></w>	50K¥	50 <w< td=""></w<>
. 25/10/62 10/40	107# 307#		JU-(W
774770) AO HA HB A W HB			
STATION \$8 West Humber @ Main Humber 34 35 36 37 38 39 40	41 42	43	44
	2356 245	245	606h
	ns/L ns/L	uā∖ŗ	ns/L
1 28/10/82 09:50	50 <w 50<w<="" td=""><td>50<ม</td><td>50<¥</td></w>	50<ม	50<¥
STATION #9 Main Humber @ West Humber 34 35 36 37 38 39 40		47	
	41 42 2356 245	43 246	44 PCPH
	ns/L ns/L	ns/L	ns/L
1 28/10/82 09:50	50<¥ 50 <w< td=""><td>50<₩</td><td>50/¥</td></w<>	50<₩	50/¥
STATION #10 Humber River 2 Steeles Ave.			
	41 42	43	44
	2356 245 ns/L ns/L	246 ng/L	na/L
t Date and Time m3/s ms/L ms/L	137L 1137L	113/ L	11371
1 28/10/82 09:55 2.30 100KW 100KW 100KW 50KW 1KW 100KW 50KW 5	50 (W 50 KW	50<₩	50<¥
	41 42	47	A A
	41 42 2356 245	43 246	44 PCPH
34 35 36 37 38 39 40 FLOW 24DP DICA PICL SILV HCR 234 2345 2	41 42 2356 245 ns/L ns/L	43 246 ns/L	44 PCPH ns/L

Conventional Water Quality Parameters and Bacteria

STATION #1 Taylor	Creek				Phosphates	Phosehorus	Sasi dua	Residue	Fecal	Fecsi
	FLOW	2005	NH4	ьH		Unf + total			Colifora	Stres
# Date and Time	m3/s	±3/L 0	ns/L N		23/L F	as/L P	as/L	19/L	#/100mL	\$/100mL
1 20/10/82 07:00	0.13	2,46	0.050	8.09	0.0110	0.025	827.	2.85	4400A	380
2 20/10/82 13:50	0.15	0.18 <t< td=""><td>0.014</td><td>2,25</td><td>0.0195</td><td>0.049</td><td>812.</td><td>5.92</td><td>12300</td><td>2000</td></t<>	0.014	2,25	0.0195	0.049	812.	5.92	12300	2000
3 20/10/82 14:20	0.21	3.30	0.012	8.05	0.0550	0.220	543.	25.40	1900A	9400
4 20/10/82 14:50	0.25	4.56	0.005	7.45	0.0150	0.275	507.	38.40	21000	10000
5 20/10/82 15:00	0.54	2.13	0.008	8.10	0.0390	0.255	647.	53.70	4300	2200
5 20/10/82 15:30	0.85	13.40	0.204	7.46	0.0510	0.390	538.	140.00	27000	9700
: פטפותוה	0.13	0.19	0.006	7,46	0.0110	0,025	507.	2.85	1900.	330.
maxicum :	1.15	13.40	0.204	8.25	0.0550	0.390	827.	140.00	27000.	10000.
Hean :	0.56	4.43	0.049	7.93	0.0367	0.202	571.	44.55	7941.	3393.
 STATION #2 Don Riv	(3 End									
21411014 #F DOLL VIV	ver e ric	1116 364			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
	FLOW	B0D5	448	ьН	Filt, react				Colifora	Stres
Date and Time	a3/s	36£3 3≤/L 0	as/L N	711	as/L P	mg/L P	44/1	24./L	\$/100mL	#/100mL
, nare and itse	d3/5	35/1 0	25/L N		1837 L F	#2/L 7	#5/L	23/0	#/ IOOML	77 TOUBL
1 20/10/82 07:22	1.82	11.20	1.000	7.80	0.0820	0.195	638.	9.67	3900	1400
2 20/10/82 13:05	4.25	5.82	0.032	8.38	0.0730	0.190	540.	10.10	1900	400/=
3 29/10/82 14:00	5.56	4.60	1.510	7.91	0.0790	0.195	541.	7.92	1500	-200<=
4 20/10/82 15:00	12.95	7.14	0.014	8.29	0.0900	0.190	632.	15.70	2300	400 (=
5 20/10/82 15:00	12.50	8.28	0.018	2.00	0.0920	0.373	557.	33.00	73000	34000
5 20/10/82 15:30	11.17	7.28	0.014	3.91	0.1450	0.730	591.	43,50	210000A)	?900
7 20/10/92 17:00	10.96	9.56	0.010	7.99	0.1350	0.695	533.	94.50	12000A	7700
8 20/10/82 17:30	10.00	9.90	0.012	7.41	0.1550	0.920	578.	63.70	55000	19000
ที่เกเซนต :	1.32	4,60	0.010	7.41	0.0730	0.180	557.	7.92	1500.	200.
Maximua :	12.96	11.20	1.510	8.91	0.1450	0.920	541.	95.50	210000.	34000.
Hean :	8,65	7.97	0.339	8.09	0.1075	0.435	614.	35.14	11347.	2610.
STATION #3 Humber	River 0	Bloor St.								
						Phosphorus		Residue	Fecal	Fecal
	FLOW	3005	H4	۶H		Unf,total		Partic.		Strep
# Date and Time	2 3/5	a⊴/L 0	as/L N		25/L P	ns/LF	ns/L	a⊴/L	#/100mL	\$/100mL
1 20/10/82 12:30	4.10	0.40/T	0.032	8.28	0.0020 <t< td=""><td>0.019</td><td>376.</td><td>15.50</td><td>340</td><td>50<=</td></t<>	0.019	376.	15.50	340	5 0<=
2 20/10/32 14:00	4.75	0.38	0.050	9.44	0.0025KT	0.015	379.	5.36	440	90/=
3 20/10/82 15:00	5.05	1.19	0.030	8.38	0.00204T	0.019	387.	s.07	1120	450070
4 20/10/82 15:30	4.10	1.71	0.045	3.51	0.0020 <t< td=""><td>0.025</td><td>399.</td><td>2,79</td><td>4000A</td><td>3900A.</td></t<>	0.025	399.	2,79	4000A	3900A.
Miniaua :	4.10	0.40	0.030	3.28	0.0020	0.015	374.	2.79	340.	
ห้อหาอบต :	5.06	1.71	0.050	9.51	0.0025	0.026	399.	15.50	4000.	4500.
Mean :	4.50	0.99	0.040	3.10	0.0021	0.020	385.	7.43	905.	539.

	FLOW	8005	NH4	pН		Phosphorus Unfitotal		Residue Partic.	Fecal Coliform	Fecal Strep
Date and Time	⊡3 /s	ms/L O	os/L N		ms/L P	mg/L P	ns/L	#S/L	#/100mi.	:/100mL
20/10/82 08:39	0.40	0.40 <t< td=""><td>0.042</td><td>8.29</td><td>0.0140</td><td>0.027</td><td>757 ,</td><td>4.95</td><td>520</td><td>520</td></t<>	0.042	8.29	0.0140	0.027	757 ,	4.95	520	520
20/10/32 13:58	0.50	35.30	0.430	7.41	0.1750	1.150	543.	104.00	19000	21000
20/10/82 14:22	1.36	19.30	0.056	7.34	0.3500	1.450	370.	90.20	4900	15000A
20/10/82 14:54	1.35	17,00	0.390	7.43	0.1150	0.580	237.	51.20	9500	59000
20/10/82 15:33	1.96	5.82	0.040	7.83	0.0800	0.188	527.	46.30	5300	10900
	1.53	4.50	0.274	9,05	0.1050	0.236	418.	50.40	7500	14000
20/10/82 16:02					0.0820	0.250	561.	37.50	5700	13100
20/10/82 16:29	1.29	7.50	0.040	7.77						
20/10/82 17:00	1.09	5.10	0,282	7,52	0.0540	0.185	558. 	4.92	5900 	13000
Minimum :	0.40	0.40	0.040	7.34	0.0140	0.027	237.	4.92	320.	620.
Maxicue :	1.95	35.30	0.430	8.29	0.3500	1.450	757.	104.00	19000.	59000.
Mean :	1,17	11.95	0.194	7,73	0.1219	0.546	534.	51,20	5672,	11562,
TATION #5 Black C	reek @ S	carlett Rd.								
					Phosphates	f'hosphorus	Residue	Residue	Facal	Fecal
	FLOW	BODS	NH4	۶H	Filt,react	Unf, total	Filtra.	fartic.	Coliform	Strep
Nate and Time	m3/s	me/L 0	ms/L N		m≤/L P	ms/L f	ms/L	ms/L	#/100mL	‡/100mL
20/10/82 09:00	0.23	1.28	0.008	9.38	0.0230	0.130	952.	7.80	2600	700<
20/10/82 13:00	0.35	0.42KT	0.042	8.36	0.0250	0.135	849.	104.00	1100	900-
									50000A>	
20/10/82 14:00	0.52	25.00	0.038	7.52	0.1050	0.295	642.	29,40		13600A
20/10/32 14:45	1.46	33.80	1.930	7.33	0.3250	2.400	593.	129.00	2400000A>	230000A
20/10/82 15:00	1.74	37.70	5.400	5.99	1.3500	2,600	486.	269.00	240000A>	80000A
20/10/82 15:30	3.35	24.70	0.020	7.05	0.1300	0.930	556.	144.00	139000	1110000A
20/10/82 15:45	4.48	5.90	0.025	7.37	0.0510	0.875	558.	302.00	<000008	32000A
20/10/82 16:30	3.25	11.50	0.006	7.51	0.0280	0.905	426.	235.00	5100	32000
Minimum :	0.23	0.42	0.005	6.99	0.0230	0.130	426,	7.80	1100.	700.
Maxiaum :	4.68	37.70	5.400	9.38	1.3500	2.400	952.	302.00	2400000.	1110000.
hean :	1.95	17.66	0.959	7.56	0.2548	1.034	433.	153.45	40114.	25135.
TATTON A/ Hores	n/ a									
TATION #5 Humber	Kiver e	scariett vo	•		Phosphates	Phosphorus	Residue	Residue	Fecsl	Fecal
	FLOW	9005	NH4	≥H	Filt, react	Unf.total	Filtra.	Partic.	Califora	Stres
	63/s	as/L O	as/L N		nas/L P	as/L P	ss/L	ms/L	#/100x.L	3/100±L
Date and Time	m2/ 2	22/2								
Date and Time				8.45		0.027	390.	11.90	1604 =	100
20/10/82 08:26	2,91	0.70	0.020	8.45 8.27	0.0040	0.027		11.90		1004 1060
20/10/82 08:26 20/10/82 14:15	2.91 3.39	0.70 0.26(T	0.020	3.27	0.0040 0.0040	0.031	357.	10.10	250	1060
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15	2.91 3.39 3.59	0.70 0.25 <t 1.04</t 	0.020 0.015 0.010	8.27 9.47	0.0040 0.0040 0.0140	0.031 0.065	357. 374.	10.10 11.90	240 580	1060 960
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10	2.91 3.39 3.59 4.57	0.70 0.25 <t 1.04 0.10<t< td=""><td>0.020 0.015 0.010 0.014</td><td>3.27 3.47 3.40</td><td>0.0040 0.0040 0.0140 0.0095</td><td>0.031 0.065 0.034</td><td>357. 374. 369.</td><td>10.10 11.90 9.87</td><td>260 580 9200A</td><td>1050 950 4200A</td></t<></t 	0.020 0.015 0.010 0.014	3.27 3.47 3.40	0.0040 0.0040 0.0140 0.0095	0.031 0.065 0.034	357. 374. 369.	10.10 11.90 9.87	260 580 9200A	1050 950 4200A
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40	2.91 3.39 3.59 4.57 4.19	0.70 0.26 <t 1.04 0.10<t 1.38</t </t 	0.020 0.016 0.010 0.014 0.012	3.27 3.47 3.40 7.94	0.0040 0.0040 0.0140 0.0095 0.0120	0.031 0.065 0.034 0.060	357. 374. 369. 396.	10.10 11.90 9.87 14.10	260 580 9200A 9400A	1060 960 4200A 1600A
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40 20/10/82 17:50	2.91 3.39 3.59 4.57 4.19 4.74	0.70 0.26 <t 1.04 0.10<t 1.98 1.91</t </t 	0.020 0.016 0.010 0.014 0.012 0.022	8.27 8.47 8.40 7.94 8.08	0.0040 0.0040 0.0140 0.0095 0.0120 0.0080	0.031 0.065 0.034 0.060 0.043	357. 374. 369. 396. 399.	10.10 11.90 9.87 14.10 17.00	260 580 9200A 9400A 4800A	1050 950 4200A 1600A 2200
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40 20/10/82 17:50	2.91 3.39 3.59 4.57 4.19	0.70 0.26 <t 1.04 0.10<t 1.38</t </t 	0.020 0.016 0.010 0.014 0.012	3.27 3.47 3.40 7.94	0.0040 0.0040 0.0140 0.0095 0.0120	0.031 0.065 0.034 0.060	357. 374. 369. 396.	10.10 11.90 9.87 14.10	260 580 9200A 9400A	1060 960 4200A 1600A
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40 20/10/82 17:50 20/10/82 18:25	2.91 3.39 3.59 4.57 4.19 4.74	0.70 0.26 <t 1.04 0.10<t 1.98 1.91</t </t 	0.020 0.016 0.010 0.014 0.012 0.022	8.27 8.47 8.40 7.94 8.08	0.0040 0.0040 0.0140 0.0095 0.0120 0.0080	0.031 0.065 0.034 0.060 0.043	357. 374. 369. 396. 399.	10.10 11.90 9.87 14.10 17.00	260 580 9200A 9400A 4800A	1050 950 4200A 1500A 2200
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40 20/10/82 17:50 20/10/82 18:25	2.91 3.39 3.59 4.57 4.19 4.74 4.95	0.70 0.26 <t 1.04 0.10<t 1.98 1.91 1.39</t </t 	0.020 0.016 0.010 0.014 0.012 0.022 0.016	3.27 3.47 3.40 7.94 9.08 9.30	0.0040 0.0040 0.0140 0.0095 0.0120 0.0080 0.0110	0.031 0.065 0.034 0.060 0.043 0.045	357. 374. 369. 396. 399.	10.10 11.90 9.87 14.10 17.00 19.10	250 580 9200A. 9400A. 4800A.	1060 960 4200A 4600A 2200 1740
20/10/82 08:26 20/10/82 14:15 20/10/82 15:15 20/10/82 16:10 20/10/82 16:40 20/10/82 17:50 20/10/82 18:25 20/10/82 19:30	2.91 3.39 3.59 4.57 4.19 4.74 4.95 4.67	0.70 0.26 T 1.04 0.10 T 1.98 1.91 1.39 1.40	0.020 0.015 0.010 0.014 0.012 0.022 0.016 0.012	3.27 9.47 9.40 7.94 9.08 9.30 8.31	0.0040 0.0040 0.0140 0.0095 0.0120 0.0080 0.0110 0.0065	0.031 0.065 0.034 0.060 0.043 0.045 0.030	357. 374. 369. 396. 399. 371. 374.	10.10 11.90 9.87 14.10 17.00 19.10 20.20	230 580 9200A. 9400A. 4800A. 1900 2240	1050 950 42004 45004 2200 1740 1450

STATION #7 Mumber	River 3	Lawrence Av	/e.							
‡ Date and Tibe	FLOW m3/s	80R5 ms/L D	* NH4 12/L N	ьH		Phosehorus Unfitotal es/L P		Partic.		
1 20/10/82 08:00	3.11	0.00!T	0.012	e.33	0.0055	0.015	367.	9.23	200	50<₹.
2 20/10/82 14:05	3,17	2.55	0.004 <t< td=""><td>3.44</td><td>0.0130</td><td>0.020</td><td>356.</td><td>11.30</td><td>2420</td><td>940</td></t<>	3.44	0.0130	0.020	356.	11.30	2420	940
3 20/10/82 15:05	3.44		0.025	9.46	0.0070	0.027	364.	9.15	540	950
4 20/10/82 16:05	3,73		0.022	8.49	0.0050	0.039	372.	9,29	780	1550
5 20/10/82 16:35	3.91		0.024	9.57	0.0065	0.035	357.	21.60	1520	3800A>
5 20/10/82 17:15	4.50		0.020	9,54	0.0060	0.030		19.70	1950	4400A
7 20/10/82 17:45	5.03	1.15	0.014	9.52	0.0075	0.038	349.	8.20	1550	2940
9 20/10/32 18:55	4.38	1.18	0.010	3.45	0.0045	0.038		21.90	2940	2500
finimum :	3.11			8.33	0.0055	0.015	349.	8.20	200.	50,
auaixsh	5.03	2.56	0.025	8,57	0.0130	0.039	372.	21.90	2950.	4400.
Hesn :	3,96	1.33	0.017	9.49	0.0073	0.030	359,	13.67	1155.	1350.
STATION ‡8 West Hu	 aoer 8 t	tain Humoer								
					Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
	FLOW	2005	NH4	ьH	Filt, react	Unf,total	Filtra.	Partic.	Colifora	Strep
# Date and Time	m3/s	as/L O	as/L N		a≤/L P	a⊴/L F	#3/F	ms/L	‡/100mL	#/100mL
1 20/10/82 08:17	0.40	1.13	0.012	9.53	0.0045	0.021	439.	8,96	12015	100<=
2 20/10/82 14:10	0.56	0.16.T	0.024	8.39	0.0030	0.024	418.	4.98	1990	3220A)
3 20/10/82 14:40	0.64	2,99	0.005	9.53	0.0435	0.095	382.	11.70	5800A>	15200A>
2 20/10/32 15:40	1.04	2,14	0.009	9,22	0.0085	0.047	365.	11.10	9100	13000
5 20/10/82 16:10	1.05	9.00	0.032	9.15	0.0035	0.053	410.	24.70	4900	19000A>
\$ 20/10/82 15:40	0.90	11.40	0.024	8.20	0.0035	0.075	377,	23.40	1300	7500
7 20/10/82 17:10	0.77	9.30	0.025	9.18	0.0055	0.055	335.	6.31	3800	5500
3 20/10/82 17:40 	0.69	5.37 	0.026	9.30	0.0040	0.047	340.	5.09	3300	3700
Miniaus :	0.40	0.15	0.005	9.15	0.0030	0.021	335.	4,98	120.	100.
Maximum :	1.05		0.032	8.53	0.0435	0.095		24.70	9100.	19000.
∄esn ∶	0.75	5.06	0.020	8.31	0.0095	0.052	393.	12.03	2520.	4553,
STATION #9 Main Hu	mber 0 4	lest Humber								
	C1 011	5005	VIIIA	-0		Phosphorus				
# Date and Time	FLOW m3/s		11H4 11€21 H	۶H	Filt,react			Partic. Bg/L	\$/100mL	Strem 1/100mL
1 20/10/82 08:17	1,92	0.33 (T	0.004 (T	9.41	0.0030	0.031	327.	34.00	1204=.	120k=
2 20/10/82 13:55	1.39	0.34 <t< td=""><td>0.012</td><td>8.47</td><td>0.0030</td><td>0.029</td><td>331.</td><td>13,30</td><td>580</td><td>980</td></t<>	0.012	8.47	0.0030	0.029	331.	13,30	580	980
3 20/10/92 14:55	2.53	0.85	0.024	3.54	0.0125	0.034	349.		040	3800A>
3 20/10/32 14:00		4.40	0.005	8.27	0.1500	1.430	0.1Sh	0.001SH	4100	9000<=
	3.38			9.11	0.1200	0.455	325.	142.00	4700	25000A>
4 20/10/82 15:25	2.89	2.88	0.226	2+11					17.00	
4 20/10/82 15:25 5 20/10/82 16:25			0.228 0.172	3.40		0.227	319.	79.30	1700	
4 20/10/82 15:25 5 20/10/82 16:25 5 20/10/82 16:55	2.89	2.15			0.0850	0.227 0.115	319. 324.	79.80 41.50		
4 20/10/82 15:25 5 20/10/82 16:25 5 20/10/82 16:55 7 20/10/82 17:25 8 20/10/82 17:55	2.89 2.50	2,15 1,54 0,40 <t< td=""><td>0.172 0.112 0.080</td><td>9.40 9.33 9.55</td><td>0.0850 0.0560 0.0410</td><td>0.227 0.115 0.079</td><td>324.</td><td>79.30</td><td>1700 3600</td><td>5000<=</td></t<>	0.172 0.112 0.080	9.40 9.33 9.55	0.0850 0.0560 0.0410	0.227 0.115 0.079	324.	79.30	1700 3600	5000<=
4 20/10/82 15:25 5 20/10/82 16:25 8 20/10/82 16:55 7 20/10/82 17:25 8 20/10/82 17:55	2.89 2.50 2.26 2.19	2.15 1.54 0.40 <t< td=""><td>0.172 0.112 0.080</td><td>8.40 9.33 9.55 8.11</td><td>0.0850 0.0560 0.0410</td><td>0.115 0.079 0.029</td><td>324. 334. 319.</td><td>79.30 41.50 27.70 15.50</td><td>1700 3600</td><td>5000<= 5300 2700 </td></t<>	0.172 0.112 0.080	8.40 9.33 9.55 8.11	0.0850 0.0560 0.0410	0.115 0.079 0.029	324. 334. 319.	79.30 41.50 27.70 15.50	1700 3600	5000<= 5300 2700
4 20/10/82 15:25 5 20/10/82 16:25 8 20/10/82 16:55 7 20/10/82 17:25 8 20/10/82 17:55 hinimum :	2.89 2.50 2.26 2.18	2.16 1.54 0.40 <t< td=""><td>0.172 0.112 0.080</td><td>3.40 9.33 8.55 8.11 8.55</td><td>0.0850 0.0560 0.0410</td><td>0.115 0.079 0.029 1.430</td><td>324. 334. 319. 319.</td><td>79.30 41.50 27.70 15.50</td><td>1700 3600 1700</td><td>5000<= 5300 2700 </td></t<>	0.172 0.112 0.080	3.40 9.33 8.55 8.11 8.55	0.0850 0.0560 0.0410	0.115 0.079 0.029 1.430	324. 334. 319. 319.	79.30 41.50 27.70 15.50	1700 3600 1700	5000<= 5300 2700

‡ Date and Time	FLOW	90D5 ms/L O	NH4 BB/L N	ьH		Phosphorus Unf•total mms/L f		Residue Partic. #s/L	Fecal Coliform ‡/100mL	Fecal Stres \$/100mi.
1 20/10/82 07:20	2.49	0.16√⊺	0.010	9.46	0.0035	0.025	353.	19.10	20 =	40-
2 20/10/82 13:45	2.49	0.34 <t< td=""><td>0.022</td><td>9.41</td><td>0.0025<t< td=""><td>0.019</td><td>354.</td><td>9.98</td><td>20 =</td><td>40 =</td></t<></td></t<>	0.022	9.41	0.0025 <t< td=""><td>0.019</td><td>354.</td><td>9.98</td><td>20 =</td><td>40 =</td></t<>	0.019	354.	9.98	20 =	40 =
20/10/32 14:40	2.55	0.08 <t< td=""><td>0.013</td><td>9.30</td><td>0.0025<t< td=""><td>0.019</td><td>338.</td><td>10.10</td><td>100/.=.</td><td>40-1</td></t<></td></t<>	0.013	9.30	0.0025 <t< td=""><td>0.019</td><td>338.</td><td>10.10</td><td>100/.=.</td><td>40-1</td></t<>	0.019	338.	10.10	100/.=.	40-1
20/10/82 15:50	2.67	0.32()	0.028	3.41	0.0020KT	0.030	352.	8.37	140 =	250
20/10/82 16:25	2.67	0.17KT	0.006	8.44	0.0035	0.038	351.	13.90	1604 =	460
20/10/92 10:50	2.51	0.44 <t< td=""><td>0.026</td><td>8.40</td><td>0.0010<t< td=""><td>0.035</td><td>347.</td><td>11.20</td><td>250</td><td>580</td></t<></td></t<>	0.026	8.40	0.0010 <t< td=""><td>0.035</td><td>347.</td><td>11.20</td><td>250</td><td>580</td></t<>	0.035	347.	11.20	250	580
20/10/82 17:35	2.61	0.56	0.008	8.44	0.0035 <t< td=""><td>0.031</td><td>349.</td><td>11.00</td><td>750</td><td>2020</td></t<>	0.031	349.	11.00	750	2020
20/10/32 13:00	2.51	0.52	0.015	9.48	0.0030	0.031	349.	7.27	1300<=>	3200A
Miniaua :	.2.49	0.08	0.006	9.30	0.0010	0.018	338.	7.87	20.	40.
Наківша :	2.67	0.62	0.028	9.48	0.0035	0.038	354.	19.10	1300.	3200.
Mean :	2,59	0.34	0.017	8.42	0.0027	0.029	349.	11.44	149.	276.
STATION #11 Black	Creek @ FLOW	Lawrence Av	Ye.	ρH	Phosphates Filt, react	Unf, total	Filtra.	Partic.	Fecal Colifora	Stres
TATION #11 Black	Creek @	Lawrence Av	 'e ,		Phosphates					
TATION #11 Black . Date and Time 20/10/82 08:35	Creek @ FLOW m3/s	BOD5 md/L 0	NH4 Bg/L N	рН 	Phosphates Filtreact ms/L F	Unf, total mg/L F 0.042	Filtrs. #s/L 764.	Partic. mmg/L 4.69	Colifora \$/100mL 420	StreF 1/100mL 440
TATION \$11 Black Date and Time 20/10/82 08:35 20/10/92 13:40	Creek. @ FLOW m3/s 0.11	BOD5 md/L 0	NH4 BE/L N 0.040 0.278	рН 8.26 8.35	Phosphates Filt, react ad/L F 0.0180 0.0450	Unf,total mg/L F 0.042 0.112	Filtrs. #3/L 764. 647.	Partic. -ms/L 4.69 51.00	Colifora #/100mL 420 1300	StreF 1/100mL 440 9200A
TATION #11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30	Creek. @ FLOW m3/s 0.11 0.17 0.88	BOD5 md/L 0 0.72 9.40 18.20	NH4 mg/L N 0.040 0.278 0.296	8.26 8.35 7.66	Phosphates Filt, react mg/L F 0.0190 0.0450 0.0700	Unf, total ms/L F 0.042 0.112 0.202	Filtrs. #s/L 764. 647. 521.	Partic. -ms/L 4.69 51.00 27.00	Colifora \$/100mL 420 1300 2700	StreF :/100mL 440 9200A 3600A
TATION \$11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45	Creek @ FLOW m3/s 0.11 0.17 0.88 1.95	BOD5 md/L 0 0.72 9.40 13.20 13.30	NH4 mg/L N 0.040 0.278 0.296 0.590	PH 8.26 8.35 7.66 7.94	Phosphates Filt, react mg/L F 0.0190 0.0450 0.0700 0.0550	Unf, total mg/L F 0.042 0.112 0.202 1.150	Filtrs. #5/L 764. 647. 521. 506.	Partic. -ms/L 4.69 51.00 27.00 572.00	Colifora \$/100mL 420 1300 2700 9500	StreF 1/100mL 440 9200A 3600A 7000<
TATION #11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45 20/10/82 15:00	Creek @ FLOW m3/s 0.11 0.17 0.98 1.96 1.84	BODS md/L 0 0.72 9.40 18.20 13.30 13.10	NH4 mg/L N 0.040 0.278 0.296 0.590 0.730	9H 9.26 9.35 7.66 7.94 7.13	Phosphates Filtyreact ####################################	Unf, total ms/L F 0.042 0.112 0.202 1.150 1.500	764. 647. 521. 506. 511.	Partic. ms/L 4.69 51.00 27.00 572.00 517.00	Colifora #/100mL 420 1300 2700 9500 4300	StreF 1/100mL 440 9200A 3600A 7000< 31000A
TATION #11 Black Pate and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45 20/10/82 15:00 20/10/82 15:15	Creek @ FLOW m3/s 0.11 0.17 0.88 1.96 1.94 1.76	BODS md/L 0 0.72 9.40 13.20 13.30 13.10 19.30	NH4 mg/L N 0.040 0.278 0.296 0.590 0.730 0.570	9H 9.26 9.35 7.66 7.94 7.13 7.09	Phosphates Filtyreact ####################################	Unf, total ms/L P 0.042 0.112 0.202 1.150 1.500 0.875	764. 647. 521. 506. 511. 463.	Partic. md/L 4.69 51.00 27.00 572.00 517.00 447.00	Colifora #/100mL 420 1300 2700 9500 4300 4100	Stres 1/100mL 440 9200A 3600A 7000< 31000A 14000
TATION #11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45 20/10/82 15:00 20/10/82 15:15 20/10/82 16:15	FLOW m3/s 0.11 0.17 0.88 1.96 1.84 1.75	BOD5 md/L 0 0.72 9.40 18.20 13.30 13.10 19.80 7.16	NH4 DE/L N 0.040 0.278 0.296 0.490 0.730 0.570 0.078	9.26 8.35 7.66 7.94 7.13 7.09 7.90	Phosphates Filtreact ms/L f 0.0180 0.0450 0.0700 0.0550 0.1300 0.0500 0.0950	Unf,total ms/L f 0.042 0.112 0.202 1.150 1.500 0.875 0.475	Filtrs. #4/L 764. 647. 521. 506. 511. 463. 308.	Partic. ms/L 4.69 51.00 27.00 572.00 517.00 447.00 176.00	Colifora #/100mL 420 1300 2700 9500 4300 4100 3700	Stres 1/100mL 440 9200A 3600A 7000< 31000A 14000 11000
TATION #11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45 20/10/82 15:00 20/10/82 15:15 20/10/82 16:15	Creek @ FLOW m3/s 0.11 0.17 0.88 1.96 1.94 1.76	BODS md/L 0 0.72 9.40 13.20 13.30 13.10 19.30	NH4 mg/L N 0.040 0.278 0.296 0.590 0.730 0.570	9H 9.26 9.35 7.66 7.94 7.13 7.09	Phosphates Filtyreact ####################################	Unf, total ms/L P 0.042 0.112 0.202 1.150 1.500 0.875	764. 647. 521. 506. 511. 463.	Partic. md/L 4.69 51.00 27.00 572.00 517.00 447.00	Colifora #/100mL 420 1300 2700 9500 4300 4100	Stres 1/100mL 440 9200A 3600A 7000< 31000A 14000
TATION \$11 Black Pate and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 20/10/82 14:45 20/10/82 15:15 20/10/82 16:15 20/10/82 17:15 Minimum:	Creek @ FLOW m3/s 0.11 0.17 0.88 1.96 1.33 0.62 0.11	BOD5 md/L 0 0.72 9.40 18.20 13.30 13.10 19.90 7.16 5.29	NH4 MH4 MH/L N 0.040 0.278 0.296 0.490 0.730 0.570 0.078 0.014	8.26 8.35 7.66 7.94 7.13 7.09 7.90 8.09	Phosphates Filtreact ms/L f 0.0180 0.0450 0.0700 0.0550 0.1300 0.0500 0.0950	Unf,total ms/L F 0.042 0.112 0.202 1.150 1.500 0.875 0.475 0.243	Filtrs. #s/L 764. 647. 521. 506. 511. 463. 308. 381.	Partic. ms/L 4.69 51.00 27.00 572.00 517.00 447.00 176.00 57.30	Colifora \$/100mL 420 1300 2700 9500 4300 4100 3700 3300	\$tres \$/100mL 440 9200A 3600A 7000< 31000A 14000 17000
TATION #11 Black Date and Time 20/10/82 08:35 20/10/82 13:40 20/10/82 14:30 4 20/10/82 14:45 20/10/82 15:05 20/10/82 15:15 7 20/10/82 16:15 8 20/10/82 17:15	FLOW m3/s 0.11 0.17 0.88 1.96 1.84 1.76 1.33 0.62	BOD5 md/L 0 0.72 9.40 13.20 13.30 13.10 19.80 7.16 5.29	NH4 19/L N 0.040 0.278 0.296 0.590 0.730 0.570 0.078 0.014	9.26 8.35 7.66 7.94 7.13 7.09 7.90 8.09	Phosphates Filt, react ms/L F 0.0190 0.0450 0.0750 0.1300 0.0550 0.0950 0.0755	Unf,total ms/L F 0.042 0.112 0.202 1.150 1.500 0.875 0.475 0.243	Filtrs. #5/L 764. 647. 521. 506. 511. 463. 308. 391.	Partic. md/L 4.69 51.00 27.00 572.00 517.00 447.00 176.00 57.30	Colifora \$/100mL 420 1300 2700 9500 4300 4100 3700 3300	Stres 1/100mL 440 9200A 3600A 7000< 31000A 14000 11000

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 1 - OCTOBER 20, 1982

Inorganic Parameters (hetals)

STATION #1 Taylor	Creek							
‡ Date and Time	FLOW m3/s	Cadmium mg/L Cd	Chromium	Copper md/L Cu	na/F Ha	Nickel mg/L Ni	Lead ad/L Pb	Zinc as/L Zn
1 20/10/82 07:00	0,13	0.0007	0.007	0.017	0.020<	0.002	0.017	0.032
5 20/10/82 15:00	0.54	0.0010	0.005	0.022	0.020	0.002	0.039	0.090
7 20/10/82 16:00	1.15	0.0094	0.012	0.025	0.000	0.005	0.030	0.077
Minimum :	0.13	0.0004	0.005	0.017	0.000	0.002	0.017	0.032
: euerxsh	1.15	0.0010	0.012	0.025	0.020	0.005	0.039	0.090
Hean :	0.56	0.0007	0.003	0.021	0.013	0.003	0.029	0.065
STATION #2 Don Riv	ver @ Fro	int St.						
	FLOW	Cadmium	Chromium	Copper	Hercury	Nickel	Lead	Zinc
# Date and Time	a 3/s	as/L Cd	a⊴/L Cr	ms/L Cu	us/L Hs	oa∖L Ni	₃⊴/L Pb	as/L Zn
1 20/10/82 07:22	1.82	0.0008	0.007	0.010	0.020	0.067	0.020	0.066
4 20/10/82 15:00	12.96	0.0008	0.005	0.130	0.020	0.038	0.029	0.097
7 20/10/82 17:00	10.96	0.0004	0.014	0.024	0.070	0.020	0.032	0.540
Minimum :	1.82	0.0004	0.005	0.010	0.020	0.020	0.020	0.056
Haxisum :	12.96	0.0008	0.014	0.130	0.070	0.067	0.032	0.540
ňean :	3.45	0.0007	0.009	0.055	0.037	0.042	0.027	0.248
STATION \$3 Humber	River @	Bloor St.						
	FLOW	Cadmium	Chromium	Correr	Mercury	Nickel	Lead	Zine
# Date and Time	a 3/5	ms/L Cd	ns/L Cr	as/L Cu	na/F Ha	ng/L Ni	ns/L Pb	ms/L Zn
1 20/10/82 12:30	4.10	0.0007	0.002	0.006	0.020<	0.0014	0.011	0.005
3 20/10/82 15:00	5.06	0.0006	0.001	0.015	0.020<	0.001	0.013	0.029
finiaca :	4.10	0.0004	0.001	0.006	0.020	0.001	0.011	0.005
Maxiaum :	5.03	0.0007	0.002	0.015	A A2A	A AA1	0.013	0.029
IICVITACIM +	J+00	0.000/	0.002	0.012	0.020	0.001	0.013	0.027

STATION #4 Mimico	Creek 0	QEW Offram	P					
# Date and Time	FLOW	Cadaluu	Chrobium	Copper	na\r ya	Nickel	Lead	Zinc
	m3/s	ma/L Cd	md/L Cr	ud/L Cu	yerchia	ms/L Ni	mg/L Pb	ms/L Zn
1 20/10/82 08:39	0.40	0.0002<	0.045	0.019	0.020<	0.056	0.004	0.084
5 20/10/82 15:33	1.35	0.0004	0.025	0.022	0.020<	0.015	0.031	0.050
8 20/10/82 17:00	1.09	0.0010	0.005	0.022	0.020	0.002	0.042	0.082
ศาการแล :	0.40	0.0002	0.005	0.019	0.020	0.002	0.004	0.050
Maximum :	1.35	0.0010	0.045	0.022	0.020	0.056	0.042	0.084
Mesn :	1.17	0.0005	0.025	0.021	0.020	0.024	0.026	0.072
STATION #5 Black (Creek @ S	carlett Rd	•					
# Nate and Time	FLOW	Cadaium	Chromium	Copper	па\ґ На	Nickel	Lesd	Zinc
	m3/s	mg/L Cd	n3/LCr	md/L Cu	щетспія	ms/L Ni	∎s/L Pb	ms/L Zn
1 20/10/82 09:00	0.23	0.0005	0.007	0.015	0.020		0.006	0.034
3 20/10/82 14:00	0.52	0.0007	0.011	0.017	0.030		0.033	0.056
5 20/10/82 15:00	1.74	0.0018	0.020	0.072	0.260UCS		0.200	0.320
S 20/10/82 16:30	3.25	0.0016	0.043	0.051	0.200UCS		0.180	0.250
Minimum :	0.23	0.0005	0.007	0.015	0.020	0.009	0.006	0.034
Maximum :	4.68	0.0018	0.043	0.072	0.250	0.019	0.200	0.320
Mean :	1.95	0.0012	0.020	0.039	0.127	0.015	0.105	0.165
STATION #6 Humber	River 0	 Scarlett R	d•					
# Date and Time	FLOW	Cadmium	Chromium	Copper	na/r Ha	Nickeł	Lead	Zinc
	m3/s	m≤/L Cd	mg/L Cr	ms/L Cu	Welchia	mg/L Ni	as/L Pb	ms/L Zn
1 20/10/82 08:25	2.91	0.0006	0.003	0.008	0.020<	0.001	0.003<	0.038
3 20/10/82 15:15	3.59	0.0002	0.003	0.007	0.020<	0.002	0.006	0.015
4 20/10/82 16:10	4.57	0.0002<	0.004	0.009	0.020<	0.003	0.009	0.015
20/10/82 18:25	4.95	0.0002	0.003	0.010	0.020<	0.002	0.013	0.025
Miniauo :	2.91	0.0002	0.003	0.007	0.020	0.001	0.003	0.015
Maxiouo :	4.95	0.0006	0.004	0.010	0.020	0.003	0.013	0.038
Mean :	4.13	0.0003	0.003	0.009	0.020	0.002	0.008	0.023

STATION #7 Humber	River 0	Lawrence A	ive.					
# Date and Time	FĽOW m3/s	ga/L Cd	Chromium	Copper mg/L Cu	na\r Ha yerchia	Nickel ps/L Ni	Lesd ms/L Pb	Zinc as/L Zn
1 20/10/32 08:00	3.11	0.0002	0.002	0.007	0.020%	0.001	0.0034	0.009
3 20/10/82 15:05	3.44	0.00024	0.002	0.009	0.020<	0.002	0.008	0.010
7 20/10/82 17:45	5.03	0.00024	0.003	0.010	0.0204	0.002	0.011	0.029
8 20/10/82 18:55	4.88	0.00024	0.003	0.008	0.020<	0.002	0.011	0.020
Miniaua ∶	3.11	0.0002	0.002	0.007	0.020	0.001	0.003	0.009
i aualxsh	5.03	0.0002	0.003	0.010	0.020	0.002	0.011	0.029
Ħe≅n :	3.96	0.0002	0.003	0.009	0.020	0.002	0.008	0.017
STATION ‡8 West Hu	mber 0 h	ain Humber						·
	FLOW	Cadalua	Chrosius	Copper	Hercurs	Nickel	Lead	Zinc
‡ Date and Time	a 3/s	a⊴.″L Cd	as/L Cr	as/L Cu	us/L Hs	ms/L Ni	as/L Pb	as/L Zn
1 20/10/82 08;17	0,40	0.0002	0.003	0.010	0.020<	0.002	0.004	0.005
3 20/10/82 14:40	0.64	0.00024	0.004	0.010	0.020<	0.002	0.022	0.017
5 20/10/82 15:40	0.90	0.0002	0.003	0.013	0.020	0.003	0.022	0.039
8 20/10/82 17:40	0.48	0.0002	0.003	0.008	0.020<	0.003	0.017	0.012
Miniaua :	0.40	0.0002	0.003	0.008	0.020	0.002	0.004	0.005
ក់៩::1២៤២ :	1.05	0.0002	0.004	0.013	0.029	0.003	0.022	0.039
Mean :	0.75	0.0002	0.003	0.010	0.020	0.003	0.016	0.018
STATION ‡9 Main Hu	aber 0 H	est Humber						
# Date and Time	FLOW m3/s	Cadmium mg/L Cd	Chronium	Copper ng/L Cu	na\r Ha yerchis	Nickel as/L Ni	Lead ∎≤/L Pb	Zinc as/L Zn
1 20/10/82 08:17	1.92	0.00024	0.002	0.005	0.020<	0.002	0.003<	0.001
3 20/10/82 14:55	2.43	0.0002(0.006	0.006	0.020<	0.002	0.007	0.004
8 20/10/82 16:55	2.50	0.0003	0.014	0.014	0.020	0.005	0.025	0.044
8 20/10/82 17:55	2.18	0.0002	0.006	0.009	0.020<	0.003	0.013	0.018
#iniaua :	1.89	0.0002	0.002	0.005	0.029	0.002	0.003	0.001
: auaixah	3.36	0.0003	0.014	0.014	0.020	0.005	0.025	0.044
Mean :	2.45	0.0002	0.007	0.009	0.020	0.003	0.012	0.017

ETATION #10 Humber	Kiver &	Steeles A	ve.					
Date and Time	FLDW m3/s	Cadmium ms/L Cd	Chromium ms/L Cr	Copper uS/L Cu	na\r Ha Wercnia	Nickel ms/L Ni	Lead ms/L Pb	Zinc mg/L Zn
1 20/10/82 07:20	2.49	0.00024	0.002	0.006	0.020<	0.001<	0.003<	0.003
5 20/10/82 16:25	2.67	0.0002<	0.002	0.008	0.020<	0.001	0.004	0.008
6 20/10/82 10:50	2.61	0.0006	0.002	0.004	0.020<	0.001<	0.017	0.002
20/10/82 18:00	2.61	0.0002<	0.002	0.007	0.020<	0.001<	0.003	0.046
Minipub :	2.49	0.0002	0.002	0.006	0.020	0.001	0.003	0.002
Maximum :	2.67	0.0006	0.002	0.008	0.020	0.001	0.017	0.046
Mean :	2.59	0.0003	0.002	0.007	0.020	0.001	0.007	0.015
ETATION #11 Black	Creek & FLOW	Lawrence A Cadmium ms/L Cd	ve. Chromium	Copper mg/L Cu	Mercury	Nickel ns/L Ni	Lead mg/L Pb	Zinc mg/L Zr
Date and Time	FLOW m3/s	Cadmium m≤/L Cd	Chromium md/L Cr	m⊴/L Cu	na/r Ha	ns/L Ni	m⊴/L Pb	∎s/L Zi
Date and Time	FLOW m3/s	Cadmium ms/L Cd 0.0003	Chromium md/L Cr 0.004	m⊴/L Cu 0.012	0.020<	0.004	⊠⊴/L Pb 0.00ა	0.052
	FLOW m3/s	Cadmium m≤/L Cd	Chromium md/L Cr	m⊴/L Cu	na/r Ha	ns/L Ni	m⊴/L Pb	∎s/L Zi

 Minimum:
 0.11
 0.0003
 0.004
 0.012
 0.020
 0.004
 0.006
 0.052

 Meximum:
 1.96
 0.0017
 0.023
 0.070
 0.290
 0.018
 0.310
 0.430

 Mean:
 1.08
 0.0008
 0.010
 0.032
 0.105
 0.011
 0.112
 0.186

TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 1 - OCTOBER 20, 1982

Pesticides and Ordanic Parameters

STATION #1 Taylor C					***								
31H11UN #1 1831U1 C	ii eek	10	11	12	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DHDT	END1	END2	ENDR	ENDS
‡ Date and Time	a 3/s	ng/L	ns/L	ng/L	ns/L	ng/L	ng/L	ng/L	ns/L	n⊴/L	ng/L	ng/L	ns/L
5 20/10/82 15:00	0.54	1<4	6	1<₩	49	11	3	2<₩	5 <w< td=""><td>249</td><td>4<9</td><td>4<발</td><td>4<w< td=""></w<></td></w<>	249	4<9	4<발	4 <w< td=""></w<>
7 20/10/82 16:00	1.16	1 <w< td=""><td>20</td><td>20</td><td>44</td><td>12</td><td>4</td><td>2<₩</td><td>5<w< td=""><td>2<⊌</td><td>4<w< td=""><td>4<⊌</td><td>4<w< td=""></w<></td></w<></td></w<></td></w<>	20	20	44	12	4	2<₩	5 <w< td=""><td>2<⊌</td><td>4<w< td=""><td>4<⊌</td><td>4<w< td=""></w<></td></w<></td></w<>	2<⊌	4 <w< td=""><td>4<⊌</td><td>4<w< td=""></w<></td></w<>	4<⊌	4 <w< td=""></w<>
~~~~~						·							
STATION #2 Don Rive	r @ Fron			12	47	14	15	16	17	18	19	20	21
	FLOW	10 ALDR	11 BHCA	BHCB	13 BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	a3/s	ng/L	ng/L	ns/L	ns/L	ns/L	ng/L	ua\r	ns/L	ns/L	ns/L	ns/L	n <b>s/L</b>
4 20/10/82 15:00	12.96	1<9	4	12	10	2KW	2<₩	2선	5<¥	2<₩	4 <w< td=""><td>4&lt;1</td><td>4&lt;님</td></w<>	4<1	4<님
7 20/10/82 17:00	10.96	1 <w< td=""><td>1&lt;₩</td><td>1&lt;4</td><td>1<w< td=""><td>2&lt;발</td><td>2KW</td><td>2<w< td=""><td>5&lt;₩ </td><td>2<w< td=""><td>4&lt;₩</td><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	1<₩	1<4	1 <w< td=""><td>2&lt;발</td><td>2KW</td><td>2<w< td=""><td>5&lt;₩ </td><td>2<w< td=""><td>4&lt;₩</td><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<></td></w<>	2<발	2KW	2 <w< td=""><td>5&lt;₩ </td><td>2<w< td=""><td>4&lt;₩</td><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<>	5<₩ 	2 <w< td=""><td>4&lt;₩</td><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<>	4<₩	4 <w< td=""><td>4<w< td=""></w<></td></w<>	4 <w< td=""></w<>
STATION #3 Humber R	iver @ B												
	FLON	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 DMDT	18 END1	19 END2	20 Endr	21 ENDS
‡ Date and Time	n3/s	ns/L	ng/L	ns/L	ns/L	ng/L	ng/L	ng/L	ns/L	UZ\F	ns/L	ng/L	ua\r rung
3 20/10/82 15:00	5.06	1<¥	4	1<¥	1<9	2<\	2<¥	2<₩	5<₩	2<\	4<¥	4<\	4 <w< td=""></w<>
STATION #4 Minico (	Creek & Q	EW Offra	38P										
		10	11	12	13	14	15	16	17	18	19	20	21
# Date and Time	FLOW m3/s	ALDR n⊴∕L	BHCA ng/L	BHCB n⊴/L	BHC6 ng/L	CHLA ng/L	CHLG ng/L	na/L	TOMOT ng/L	END1 ns/L	END2	ENDR ns/L	ENDS ns/L
5 20/10/82 15:33	1.86	1<₩	12	10	4	6	2	2KW	5<¥	2KW	4 <u< td=""><td>4&lt;¥</td><td>4&lt;¥</td></u<>	4<¥	4<¥
3 20/10/82 17:00	1.09	1<1/	12	1<발	4	2KW	2KW	2<₩	55KW	2<₩	4 <w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<>	4 <w< td=""><td>4<w< td=""></w<></td></w<>	4 <w< td=""></w<>
STATION #5 Black Co	eek @ Sc												
	F1 0''	10	11	12	13	14	15	16	17	18	19 END2	20	21 ENDS
# Date and Time	FLOW m3/s	ALDR n⊴/L	BHCA ng/L	BHCB ng/L	BHCG n⊴/L	CHLA ng/L	CHLG ng/L	DIEL ng/L	DMDT ns/L	END1 n⊴/L	us/F	ENDR ng/L	ng/L
3 20/10/82 14:00	0.52	1 <w< td=""><td>1&lt;14</td><td>1<w< td=""><td>1&lt;#</td><td>2&lt;₩</td><td>2KW</td><td>2&lt;¥</td><td>5&lt;¥</td><td>244</td><td>4<w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<></td></w<>	1<14	1 <w< td=""><td>1&lt;#</td><td>2&lt;₩</td><td>2KW</td><td>2&lt;¥</td><td>5&lt;¥</td><td>244</td><td>4<w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<>	1<#	2<₩	2KW	2<¥	5<¥	244	4 <w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<>	4 <w< td=""><td>4<w< td=""></w<></td></w<>	4 <w< td=""></w<>
5 20/10/82 15:00	1.74	1<1	10	10	5	20	14	2<₩	5<¥	2<₩	4<₩	4 <w< td=""><td>4&lt;\</td></w<>	4<\

STATION #6 Humber R	iver 0 S	carlett   10	Rd. 11	12	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	<b>a</b> 3/s	ng/L	n⊴/L	ng/L	ng/L	ns/L	ns/L	ns/L	rıs/L	ng/L	ns/L	ua\r	ng/L
3 20/10/82 15:15	3.59	1<4	1 <w 0!LA</w 	1<₩ 0!LA	1 <w 0!LA</w 	2<₩ 0!LA	2<₩ 0!LA	2<₩ 0!LA	5<₩ 0!LA	2<¥ 0!LA	4 <w 0!LA</w 	4<₩ 0!LA	4<₩ 0!LA
4 20/10/82 16:10	4.57	0!LA	V:LA	U:LH	U:LH	V:LH	V:LH	V:LH	V:LH	V:LH	V:LH	V:LH	V:LH
21HITOM #/ HOMBE: W	iver e L	10	11	12	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	<b>a</b> 3/s	ns/L 	 ng/L	 ng/L	ng/L	ns/L	ns/L	ns/L	ns/L	ns/L 	ng/L	 ua∖F	ng/L.
3 20/10/82 15:05	3.44	1<₩	4	1<₩	1<1	2 <w< td=""><td>2&lt;₩</td><td>2&lt;#</td><td>5KW</td><td>2KH</td><td>4<w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<></td></w<>	2<₩	2<#	5KW	2KH	4 <w< td=""><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<>	4 <w< td=""><td>4<w< td=""></w<></td></w<>	4 <w< td=""></w<>
7 20/10/82 17:45	5.03 	1 <w< td=""><td>2 </td><td>1<w </w </td><td>1<w< td=""><td>2<w </w </td><td>2<w< td=""><td>2<w </w </td><td>5<w< td=""><td>2KW</td><td>4<u </u </td><td>4<w< td=""><td>4&lt;\  </td></w<></td></w<></td></w<></td></w<></td></w<>	2 	1 <w </w 	1 <w< td=""><td>2<w </w </td><td>2<w< td=""><td>2<w </w </td><td>5<w< td=""><td>2KW</td><td>4<u </u </td><td>4<w< td=""><td>4&lt;\  </td></w<></td></w<></td></w<></td></w<>	2 <w </w 	2 <w< td=""><td>2<w </w </td><td>5<w< td=""><td>2KW</td><td>4<u </u </td><td>4<w< td=""><td>4&lt;\  </td></w<></td></w<></td></w<>	2 <w </w 	5 <w< td=""><td>2KW</td><td>4<u </u </td><td>4<w< td=""><td>4&lt;\  </td></w<></td></w<>	2KW	4 <u </u 	4 <w< td=""><td>4&lt;\  </td></w<>	4<\  
STATION #8 West Hum	ber @ Ma	in Humbe											
		10	11	12	13	14	15	16	17	19	19	20	21
# Date and Time	FLOW m3/s	ALBR ng/L	BHCA ng/L	BHCB ng/L	BHCG ns/L	CHI_A n⊴/L	CHLG ns/L	DIEL na/L	DMDT ng/L	END1 ns/L	END2 ns/L	ENDR ns/L	ENDS ng/L
3 20/10/82 14:40	0.64	 1 <w< td=""><td> 3</td><td>1<w< td=""><td>1<w< td=""><td>2<w< td=""><td>2<w< td=""><td>2&lt;₩</td><td>5KW</td><td>2&lt;¥</td><td>4&lt;¥</td><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<></td></w<></td></w<>	 3	1 <w< td=""><td>1<w< td=""><td>2<w< td=""><td>2<w< td=""><td>2&lt;₩</td><td>5KW</td><td>2&lt;¥</td><td>4&lt;¥</td><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<></td></w<>	1 <w< td=""><td>2<w< td=""><td>2<w< td=""><td>2&lt;₩</td><td>5KW</td><td>2&lt;¥</td><td>4&lt;¥</td><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<>	2 <w< td=""><td>2<w< td=""><td>2&lt;₩</td><td>5KW</td><td>2&lt;¥</td><td>4&lt;¥</td><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<>	2 <w< td=""><td>2&lt;₩</td><td>5KW</td><td>2&lt;¥</td><td>4&lt;¥</td><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<>	2<₩	5KW	2<¥	4<¥	4 <u< td=""><td>4<w< td=""></w<></td></u<>	4 <w< td=""></w<>
6 20/10/82 16:40	0.90	1<1/	6	1 <w< td=""><td>2</td><td>2<w< td=""><td>2<w< td=""><td>2<w< td=""><td>5&lt;₩</td><td>2KW</td><td>4<w< td=""><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<></td></w<></td></w<>	2	2 <w< td=""><td>2<w< td=""><td>2<w< td=""><td>5&lt;₩</td><td>2KW</td><td>4<w< td=""><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<></td></w<>	2 <w< td=""><td>2<w< td=""><td>5&lt;₩</td><td>2KW</td><td>4<w< td=""><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<></td></w<>	2 <w< td=""><td>5&lt;₩</td><td>2KW</td><td>4<w< td=""><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<></td></w<>	5<₩	2KW	4 <w< td=""><td>4<u< td=""><td>4<w< td=""></w<></td></u<></td></w<>	4 <u< td=""><td>4<w< td=""></w<></td></u<>	4 <w< td=""></w<>
STATION #9 Main Hum	har & Ya	et Wumbe		<del></del>									
STRILLING TV HOLH HOL	DE) 6 46	10	11	12	13	14	15	16	17	18	19	20	21
# Date and Time	FLOW a3/s	ALDR ng/L	BHCA ng/L	BHCB ng/L	BHCG ng/L	CHLA ng/L	CHLG ns/L	DIEL ng/L	TOMO ng/L	END1 nd/L	END2 ns/L	ENDR ns/L	ENDS ns/L
A hare suc time	30/5	1137 L	U3/ L	1157 L	1137 L	1137 L					115/ L		
3 20/10/82 14:55 6 20/10/82 16:55	2.63	1 <w 1<w< td=""><td>1&lt;₩ 3</td><td>1<w< td=""><td>1&lt;¥ 4</td><td>2KW 2KW</td><td>2<w 2<w< td=""><td>2&lt;₩ 2&lt;₩</td><td>5&lt;¥ 5&lt;¥</td><td>2&lt;# 2&lt;#</td><td>4<w 4<w< td=""><td>4<ij 4<ij< td=""><td>4&lt;₩ 4&lt;₩</td></ij<></ij </td></w<></w </td></w<></w </td></w<></td></w<></w 	1<₩ 3	1 <w< td=""><td>1&lt;¥ 4</td><td>2KW 2KW</td><td>2<w 2<w< td=""><td>2&lt;₩ 2&lt;₩</td><td>5&lt;¥ 5&lt;¥</td><td>2&lt;# 2&lt;#</td><td>4<w 4<w< td=""><td>4<ij 4<ij< td=""><td>4&lt;₩ 4&lt;₩</td></ij<></ij </td></w<></w </td></w<></w </td></w<>	1<¥ 4	2KW 2KW	2 <w 2<w< td=""><td>2&lt;₩ 2&lt;₩</td><td>5&lt;¥ 5&lt;¥</td><td>2&lt;# 2&lt;#</td><td>4<w 4<w< td=""><td>4<ij 4<ij< td=""><td>4&lt;₩ 4&lt;₩</td></ij<></ij </td></w<></w </td></w<></w 	2<₩ 2<₩	5<¥ 5<¥	2<# 2<#	4 <w 4<w< td=""><td>4<ij 4<ij< td=""><td>4&lt;₩ 4&lt;₩</td></ij<></ij </td></w<></w 	4 <ij 4<ij< td=""><td>4&lt;₩ 4&lt;₩</td></ij<></ij 	4<₩ 4<₩
	2,30	1/#		1/#			2/8				74	7\#	
STATION #10 Humber	River 0	Steeles 10	Ave. 11	12 -	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	<b>23/</b> 5	ns/L	ng/L	ng/L	ns/L	ns/L	ns/L	ng/L	ns/L	ng/L	ns/L	ns/L	ns/L
5 20/10/82 16:25	2.67	1 <w< td=""><td>1<w< td=""><td>1&lt;₩</td><td>1&lt;₩</td><td>2<w< td=""><td>2&lt;¥</td><td>2&lt;¥</td><td>5&lt;¥</td><td>2&lt;¥</td><td>4<w< td=""><td>4<w< td=""><td>4KH</td></w<></td></w<></td></w<></td></w<></td></w<>	1 <w< td=""><td>1&lt;₩</td><td>1&lt;₩</td><td>2<w< td=""><td>2&lt;¥</td><td>2&lt;¥</td><td>5&lt;¥</td><td>2&lt;¥</td><td>4<w< td=""><td>4<w< td=""><td>4KH</td></w<></td></w<></td></w<></td></w<>	1<₩	1<₩	2 <w< td=""><td>2&lt;¥</td><td>2&lt;¥</td><td>5&lt;¥</td><td>2&lt;¥</td><td>4<w< td=""><td>4<w< td=""><td>4KH</td></w<></td></w<></td></w<>	2<¥	2<¥	5<¥	2<¥	4 <w< td=""><td>4<w< td=""><td>4KH</td></w<></td></w<>	4 <w< td=""><td>4KH</td></w<>	4KH
6 20/10/82 10:50	2.61	1 <w< td=""><td>2</td><td>1&lt;₩</td><td>3</td><td>2<w< td=""><td>2<w< td=""><td>244</td><td>5<w< td=""><td>2KW</td><td>4<u< td=""><td>4&lt;1</td><td>4&lt;₩</td></u<></td></w<></td></w<></td></w<></td></w<>	2	1<₩	3	2 <w< td=""><td>2<w< td=""><td>244</td><td>5<w< td=""><td>2KW</td><td>4<u< td=""><td>4&lt;1</td><td>4&lt;₩</td></u<></td></w<></td></w<></td></w<>	2 <w< td=""><td>244</td><td>5<w< td=""><td>2KW</td><td>4<u< td=""><td>4&lt;1</td><td>4&lt;₩</td></u<></td></w<></td></w<>	244	5 <w< td=""><td>2KW</td><td>4<u< td=""><td>4&lt;1</td><td>4&lt;₩</td></u<></td></w<>	2KW	4 <u< td=""><td>4&lt;1</td><td>4&lt;₩</td></u<>	4<1	4<₩

S	ATION #11 Black	Creek @ La	anteuce	Ave.										
		CI OU	10	11	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 Dhdt	18 END1	19 END2	20 Endr	21 ENDS
		FLOW	ALDR	BHCA	BHLB	BHLU	CHLH	CHLU	BIEL	ועמע	FMDI	ENUL	ENUR	ENDS
ŧ	Date and Time	<b>a</b> 3/s	ng/L	ng/L	na/L	ns/L	ng/L	ng/L	ns/L	ns/L	na/L	n <b>s/L</b>	ns/L	rie/L
3	20/10/82 14:30	0.88	149	8	5	9	2<#	2<₩	2<₩	5<¥	249	4<1	4<14	4<넓
ź	20/10/82 15:15	1.76	1<1	13	8	5	2<⊌	2<₩	2 <w< td=""><td>4&lt;14</td><td>2&lt;₩</td><td>4<u< td=""><td>4&lt;⊯</td><td>4 1</td></u<></td></w<>	4<14	2<₩	4 <u< td=""><td>4&lt;⊯</td><td>4 1</td></u<>	4<⊯	4 1

#### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 1 - OCTOBER 20, 1982

Pesticides and Organic Parameters

STATION #1 Taylor	Creek												
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 OCHL	26 OPDT	27 PCBT	28 PPDD	29 PPDE	30 PPDT	31 245T	32 240	33 24DB
‡ Date and Time	■3/s	ns/L	ng/L	ua\r	ua/r	ns/L	ua/F	ng/L	ua/F	ng/L	ng/L	ns:/L	ns/L
5 20/10/82 15:00	0.54	1<₩	1<₩	5<\	244	5<¥	25F54	5<⊌	1<9	5 <w< th=""><th>50&lt;¥</th><th>425</th><th>200&lt;₩</th></w<>	50<¥	425	200<₩
7 20/10/82 15:00	1.16	1 <w< th=""><th>1<w< th=""><th>5&lt;₩</th><th>2<w< th=""><th>5<w< th=""><th>20KW</th><th>5<w< th=""><th>1<w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<></th></w<></th></w<></th></w<></th></w<></th></w<>	1 <w< th=""><th>5&lt;₩</th><th>2<w< th=""><th>5<w< th=""><th>20KW</th><th>5<w< th=""><th>1<w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<></th></w<></th></w<></th></w<></th></w<>	5<₩	2 <w< th=""><th>5<w< th=""><th>20KW</th><th>5<w< th=""><th>1<w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<></th></w<></th></w<></th></w<>	5 <w< th=""><th>20KW</th><th>5<w< th=""><th>1<w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<></th></w<></th></w<>	20KW	5 <w< th=""><th>1<w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<></th></w<>	1 <w-< th=""><th>5<w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<></th></w-<>	5 <w< th=""><th>50K¥</th><th>100<w< th=""><th>200&lt;\</th></w<></th></w<>	50K¥	100 <w< th=""><th>200&lt;\</th></w<>	200<\
STATION #2 Don Rive	 er @ Fron	 t St.											
		22	23	24	25	26	27	28	29	30	31	32	33
A Data and Time	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	FCBT	PPDD	PPDE	PPDT	2451	240	2409
# Date and Time	n3/s	ng/L	ng/L	ng/L	ng/L	ns/L	n⊴/L	ng/L	ng/L	ns/L	ng/L	n⊴/L	ns/L
4 20/10/82 15:00	12.96	1<₩	1 <w< td=""><td>5<w< td=""><td>2&lt;#</td><td>5KW</td><td>25P54</td><td>5<w< td=""><td>1&lt;₩</td><td>5&lt;띭</td><td>50&lt;₩</td><td>100<v< td=""><td>200KN</td></v<></td></w<></td></w<></td></w<>	5 <w< td=""><td>2&lt;#</td><td>5KW</td><td>25P54</td><td>5<w< td=""><td>1&lt;₩</td><td>5&lt;띭</td><td>50&lt;₩</td><td>100<v< td=""><td>200KN</td></v<></td></w<></td></w<>	2<#	5KW	25P54	5 <w< td=""><td>1&lt;₩</td><td>5&lt;띭</td><td>50&lt;₩</td><td>100<v< td=""><td>200KN</td></v<></td></w<>	1<₩	5<띭	50<₩	100 <v< td=""><td>200KN</td></v<>	200KN
7 20/10/82 17:00	10.95	1 <w< td=""><td>1&lt;₩</td><td>5&lt;₩</td><td>2&lt;¥</td><td>5&lt;¥</td><td>75P54</td><td>5&lt;<b>U</b></td><td>1<w< td=""><td>5&lt;⊌</td><td>50&lt;₩</td><td>100&lt;น</td><td>200&lt;₩</td></w<></td></w<>	1<₩	5<₩	2<¥	5<¥	75P54	5< <b>U</b>	1 <w< td=""><td>5&lt;⊌</td><td>50&lt;₩</td><td>100&lt;น</td><td>200&lt;₩</td></w<>	5<⊌	50<₩	100<น	200<₩
STATION #3 Humber #	River @ B	loor St.											
		22	23	24	25	25	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	2457	24D	2408
# Date and Time	m3/s	ns/L	ns/L	ns/L	ua/F	ng/L	na/L	ns/L	ng/L	ns/L	ng/L	rıs/L	ng/L
3 20/10/82 15:00	5.06	1<₩	1<9	5<₩	2KW	5KW	20<₩	5<₩	1<¥	5<₩	50<¥	100<₩	200<\)
STATION #4 Mimico	Creek 0 0												
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 0CHL	26 Opdt	27 PCBT	28 PPDD	29 PPDE	30 PPDT	31 - 245T	. 32 24D	33 24DB
# Date and Time	a3/s	ns/L	ng/L	ua\r utux	ua\r na\r	na/L	ns/L	ng/L	ua/F	ns/L	ns/L	ns/L	us/F
5 20/10/82 15:33	1.86	1<₩	1<님	5 <w< td=""><td>2<w< td=""><td>5<w< td=""><td>100P60</td><td>5&lt;¥</td><td>1&lt;날</td><td>5&lt;₩</td><td>50&lt;₩</td><td>100<w< td=""><td>200<w< td=""></w<></td></w<></td></w<></td></w<></td></w<>	2 <w< td=""><td>5<w< td=""><td>100P60</td><td>5&lt;¥</td><td>1&lt;날</td><td>5&lt;₩</td><td>50&lt;₩</td><td>100<w< td=""><td>200<w< td=""></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>100P60</td><td>5&lt;¥</td><td>1&lt;날</td><td>5&lt;₩</td><td>50&lt;₩</td><td>100<w< td=""><td>200<w< td=""></w<></td></w<></td></w<>	100P60	5<¥	1<날	5<₩	50<₩	100 <w< td=""><td>200<w< td=""></w<></td></w<>	200 <w< td=""></w<>
8 20/10/82 17:00	1.09	1 <w< td=""><td>1&lt;₩</td><td>5<w< td=""><td>2<w< td=""><td>5<w< td=""><td>0!UI</td><td>5&lt;₩</td><td>1&lt;3</td><td>5<w< td=""><td>50&lt;⊌</td><td>100<w< td=""><td>200⊴¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	1<₩	5 <w< td=""><td>2<w< td=""><td>5<w< td=""><td>0!UI</td><td>5&lt;₩</td><td>1&lt;3</td><td>5<w< td=""><td>50&lt;⊌</td><td>100<w< td=""><td>200⊴¥</td></w<></td></w<></td></w<></td></w<></td></w<>	2 <w< td=""><td>5<w< td=""><td>0!UI</td><td>5&lt;₩</td><td>1&lt;3</td><td>5<w< td=""><td>50&lt;⊌</td><td>100<w< td=""><td>200⊴¥</td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>0!UI</td><td>5&lt;₩</td><td>1&lt;3</td><td>5<w< td=""><td>50&lt;⊌</td><td>100<w< td=""><td>200⊴¥</td></w<></td></w<></td></w<>	0!UI	5<₩	1<3	5 <w< td=""><td>50&lt;⊌</td><td>100<w< td=""><td>200⊴¥</td></w<></td></w<>	50<⊌	100 <w< td=""><td>200⊴¥</td></w<>	200⊴¥

STATION #5 Black Cr	eek @ Sc	arlett Ro	 :.										
		22	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	FCST	PPDD	PPDE	PPDT	245T	240	24DB
# Date and Time	<b>m</b> 3/s	ng/L	ng/L	ng/L	na/L	ng/L	n⊴/L	ng/L	ns/L	ng/L	ng/L	ns/L	ua/F
3 20/10/82 14:00	0.52	1<9	1<발	5<₩	2<₩	5<₩	O!UI	5<1	1<9	5<¥	50<₩	100 <w< td=""><td>200&lt;₩</td></w<>	200<₩
5 20/10/82 15:00	1.74	1 <u< td=""><td>1<w< td=""><td>5<w< td=""><td>2<w< td=""><td>5<w< td=""><td>O!UI</td><td>5KW</td><td>1<w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></u<>	1 <w< td=""><td>5<w< td=""><td>2<w< td=""><td>5<w< td=""><td>O!UI</td><td>5KW</td><td>1<w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>2<w< td=""><td>5<w< td=""><td>O!UI</td><td>5KW</td><td>1<w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<>	2 <w< td=""><td>5<w< td=""><td>O!UI</td><td>5KW</td><td>1<w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>O!UI</td><td>5KW</td><td>1<w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<></td></w<>	O!UI	5KW	1 <w< td=""><td>5<w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<></td></w<>	5 <w< td=""><td>50&lt;₩</td><td>100&lt;₩</td><td>200&lt;₩</td></w<>	50<₩	100<₩	200<₩
STATION \$6 Humber R	iver @ S	carlett 1	?d. 23	24	25	26	27	28	29	30	 31	32	
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	24B	24DB
# Date and Time	m3/s	ns/L	ns/L	nis/L	ns/L	ns/L	ng/L	ng/L	ns/L	ns/L	ng/L	ns/L	ris/L
 3 20/10/82 15:15	3.59	1<¥	1 <w< td=""><td>5&lt;⊌</td><td>2&lt;¥</td><td>5&lt;¥</td><td>20&lt;₩</td><td>5&lt;¥</td><td>1&lt;¥</td><td>5<w< td=""><td>50&lt;¥</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<></td></w<>	5<⊌	2<¥	5<¥	20<₩	5<¥	1<¥	5 <w< td=""><td>50&lt;¥</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<>	50<¥	100 <w< td=""><td>200<u< td=""></u<></td></w<>	200 <u< td=""></u<>
4 20/10/82 16:10	4.57	0!LA	0!LA	0!LA	0!LA	0!LA	0!LA	0!LA	0!LA	O!LA	504H	190	200 <w< td=""></w<>
STATION ‡7 Humber R	iver @ L			24	25	2/	27	20	29	70	31	70	77
	FLOW	22 HEPE	23 HEPT	24 HIRX	25 OCHL	26 OPDT	PCBT	28 PPDD	27 PPDE	30 PPDT	245T	32 24D	33 24 de
# Date and Time	m3/s	ns/L	ns/L	ns/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ns/L	ng/L	na/L
3 20/10/82 15:05 7 20/10/82 17:45	3.44 5.03	1 <w 1<w< td=""><td>14W 14W</td><td>5<w 5<w< td=""><td>2&lt;¥ 2&lt;¥</td><td>5&lt;₩ 5&lt;₩</td><td>20&lt;¥ 20&lt;¥</td><td>5&lt;₩ 5&lt;₩</td><td>1&lt;₩ 1&lt;₩</td><td>5&lt;₩ 5&lt;₩</td><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 220</td><td>200⟨\ 200⟨\</td></w<></w </td></w<></w 	14W 14W	5 <w 5<w< td=""><td>2&lt;¥ 2&lt;¥</td><td>5&lt;₩ 5&lt;₩</td><td>20&lt;¥ 20&lt;¥</td><td>5&lt;₩ 5&lt;₩</td><td>1&lt;₩ 1&lt;₩</td><td>5&lt;₩ 5&lt;₩</td><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 220</td><td>200⟨\ 200⟨\</td></w<></w 	2<¥ 2<¥	5<₩ 5<₩	20<¥ 20<¥	5<₩ 5<₩	1<₩ 1<₩	5<₩ 5<₩	50<₩ 50<₩	100<₩ 220	200⟨\ 200⟨\
STATION ‡8 West Hum	ber 0 Ma												
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 OCHL	26 OPDT	27 PCBT	29 FPDD	29 PPDE	30 PPDT	31 245T	32 24D	33 24DE
# Date and Time	m3/s	ua/F	ns/L	ns/L	ns/L	ns/L	ns/L	ng/L	ng/L	ng/L	ns/L	ns/L	n⊈/l
 3 20/10/82 14:40	0.64	1 <v< td=""><td>1&lt;\</td><td>5<w< td=""><td>240</td><td>5&lt;¥</td><td>20&lt;₩</td><td> 5⟨⊌</td><td>1&lt;¥</td><td> 5&lt;⊌</td><td>50<w< td=""><td>410</td><td>2001</td></w<></td></w<></td></v<>	1<\	5 <w< td=""><td>240</td><td>5&lt;¥</td><td>20&lt;₩</td><td> 5⟨⊌</td><td>1&lt;¥</td><td> 5&lt;⊌</td><td>50<w< td=""><td>410</td><td>2001</td></w<></td></w<>	240	5<¥	20<₩	 5⟨⊌	1<¥	 5<⊌	50 <w< td=""><td>410</td><td>2001</td></w<>	410	2001
5 20/10/82 14:40	0.54	1<4	1<4	5 <w< td=""><td>2&lt;4</td><td>5KW</td><td>20KW</td><td>5:(¥</td><td>1&lt;₩</td><td>5&lt;ม</td><td>50&lt;₩</td><td>100<w< td=""><td>2004</td></w<></td></w<>	2<4	5KW	20KW	5:(¥	1<₩	5<ม	50<₩	100 <w< td=""><td>2004</td></w<>	2004
STATION #9 Main Hum	ber 0 We	st Humbe 22	r 23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	28 OPDT	PCBT	PPDD	PPDE	PPDT	245T	32 24D	24DE
# Date and Time	<b>a</b> 3/s	ns/L	ns/L	ua/r	ua\r	ng/L	ns/L	ng/L	ns/L	ng/L	ns/L	ns/L	กร/โ
3 20/10/82 14:55	2.63	1<¥	1 <w< td=""><td> 5&lt;⊌</td><td>2&lt;¥</td><td> 5&lt;⊌</td><td> 20&lt;⊌</td><td> 5&lt;₩</td><td>1<w< td=""><td> 5&lt;₩</td><td> 50&lt;Ы</td><td>100<u< td=""><td>200<l< td=""></l<></td></u<></td></w<></td></w<>	 5<⊌	2<¥	 5<⊌	 20<⊌	 5<₩	1 <w< td=""><td> 5&lt;₩</td><td> 50&lt;Ы</td><td>100<u< td=""><td>200<l< td=""></l<></td></u<></td></w<>	 5<₩	 50<Ы	100 <u< td=""><td>200<l< td=""></l<></td></u<>	200 <l< td=""></l<>
6 20/10/82 16:55	2.50	1 <w< td=""><td>1&lt;₩</td><td>5&lt;₩</td><td>2&lt;₩</td><td>5<w< td=""><td>20&lt;₩</td><td>5&lt;₩</td><td>1&lt;₩</td><td>5-(W</td><td>50⊴₩</td><td>100<w< td=""><td>200&lt;</td></w<></td></w<></td></w<>	1<₩	5<₩	2<₩	5 <w< td=""><td>20&lt;₩</td><td>5&lt;₩</td><td>1&lt;₩</td><td>5-(W</td><td>50⊴₩</td><td>100<w< td=""><td>200&lt;</td></w<></td></w<>	20<₩	5<₩	1<₩	5-(W	50⊴₩	100 <w< td=""><td>200&lt;</td></w<>	200<

STATION #1	0 Humber	River 0	Steeles	Ave.										
‡ Date an	d Time	FLOW	na/L HEPE	23 HEPT ng/L	24 MIRX ns/L	ua\r OCHr 52	26 OFDT ng/L	27 PCBT ng/L	28 PPDD ng/L	29 PPDE ns/L	30 PPDT na/L	31 245T ns/L	32 24D ng/L	33 24DB ng/L
5 20/10/82 6 20/10/83		2.67 2.61	1<\ 1<\ 1<\	1KW 1KW	5KW 5KW	2<₩ 2<₩	5<₩ 5<₩	20<₩ 20<₩	5<₩ 5<₩	1<\!\\ 1<\!\\	5<¥ 5<¥	50<₩ 50<₩	100<# 100<#	200<₩ 200<₩
STATION #1	1 Black	Creek @ L												
‡ Nate an	d Time	FLOW m3/s	22 HEPE ns/L	23· HEPT ns/L	24 NIRX ns/L	25 OCHL ng/L	26 OPDT ns/L	27 PCBT ns/L	28 PPDD ng/L	29 PPDE ns/L	30 PPDT n⊴/L	31 245T ng/L	32 24D ng/L	33 240b
						•								ng/L

# TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 1 - OCTOBER 20, 1982

Pesticides and Organic Parameters

STATION #1 Taylor C	reek											
		34	35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH
# Nate and Time	<b>23/</b> 5	ng/L	ns/L	ng/L	ng/L	ua/F	ng/L	ns/L	ns/L	ns/L	ns/L	ng/L
5 20/10/82 15:00	0.54	430 .	100<발	100<₩	50<¥	1	100<₩	50 <w< td=""><td>50&lt;₩</td><td>50&lt;⊌</td><td>50&lt;₩</td><td>50&lt;₩</td></w<>	50<₩	50<⊌	50<₩	50<₩
7 20/10/82 14:00	1.16	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>50<w< td=""><td>139</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>50<w< td=""><td>139</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50<w< td=""><td>139</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	50 <w< td=""><td>139</td><td>100<w< td=""><td>50<w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<></td></w<>	139	100 <w< td=""><td>50<w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<>	50 <w< td=""><td>50<w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<></td></w<>	50 <w< td=""><td>50/(W</td><td>50<w< td=""><td>50&lt;₩</td></w<></td></w<>	50/(W	50 <w< td=""><td>50&lt;₩</td></w<>	50<₩
STATION #2 Don Rive	r @ Fron											
		34	35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH
‡ Date and Time	<b>a</b> 3/s	ng/L	ns/L	ns/L	ns/L	ns/L	ns/L	ua\F	ng/L	ng/L	UA\F	ua/F
4 20/10/82 15:00	12.96	100/11	100<₩	100<	50<₩	28	100 <w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<>	50 <w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<>	50<¥	50 <w< td=""><td>50&lt;¥</td><td>50&lt;¥</td></w<>	50<¥	50<¥
						28 7					50 <w< td=""><td></td></w<>	
7 20/10/82 17:00	10.95	100<#	100 <w< td=""><td>100<w< td=""><td>50&lt;⊌</td><td>/</td><td>100&lt;₩</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;₩</td><td>204.8</td><td>50&lt;₩</td></w<></td></w<>	100 <w< td=""><td>50&lt;⊌</td><td>/</td><td>100&lt;₩</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;₩</td><td>204.8</td><td>50&lt;₩</td></w<>	50<⊌	/	100<₩	50<₩	50<¥	50<₩	204.8	50<₩
STATION ‡3 Humber R	iver @ B	34	35	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	 43 246	44 PCPH
STATION #3 Humber R: # Date and Time		34 24DP ng/L		36 PICL ng/L	37 SILV ng/L				-	_		
	FLOW m3/s	34 24DP ng/L	J5 DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH
# Date and Time	FLOW m3/s 5.06	34 24DP ng/L 100 <w< td=""><td>J5 DICA ng/L</td><td>PICL ng/L</td><td>Na\r Na\r</td><td>ua\r HCB</td><td>234 ng/L</td><td>2345 ng/L</td><td>2356 ng/L</td><td>245 n⊴/L</td><td>246 ng/L</td><td>PCPH ns/L</td></w<>	J5 DICA ng/L	PICL ng/L	Na\r Na\r	ua\r HCB	234 ng/L	2345 ng/L	2356 ng/L	245 n⊴/L	246 ng/L	PCPH ns/L
# Date and Time 3 20/10/82 15:00	FLOW m3/s 5.06	34 24DP ng/L 100 <w< td=""><td>J5 DICA ng/L 100<w< td=""><td>PICL ng/L 100<w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L</td><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	J5 DICA ng/L 100 <w< td=""><td>PICL ng/L 100<w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L</td><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	PICL ng/L 100 <w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L</td><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	SILV ng/L 50 <w< td=""><td>HCB ng/L</td><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	HCB ng/L	234 ng/L 100 <w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<>	2345 ns/L 50 <w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<></td></w<>	2356 ns/L 50 <w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<></td></w<>	245 ns/L 50 <w< td=""><td>246 ns/L 50<w< td=""><td>PCFH ns/L 50&lt;¥</td></w<></td></w<>	246 ns/L 50 <w< td=""><td>PCFH ns/L 50&lt;¥</td></w<>	PCFH ns/L 50<¥
# Date and Time 3 20/10/82 15:00	FLOW m3/s 5.06	34 24DP ns/L 100 <w< td=""><td>JS DICA ns/L 100<w< td=""><td>PICL ns/L 100<w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L 1<w< td=""><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	JS DICA ns/L 100 <w< td=""><td>PICL ns/L 100<w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L 1<w< td=""><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	PICL ns/L 100 <w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ng/L 1<w< td=""><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	SILV ng/L 50 <w< td=""><td>HCB ng/L 1<w< td=""><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	HCB ng/L 1 <w< td=""><td>234 ng/L 100<w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	234 ng/L 100 <w< td=""><td>2345 ns/L 50<w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	2345 ns/L 50 <w< td=""><td>2356 ns/L 50<w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<></td></w<>	2356 ns/L 50 <w< td=""><td>245 ns/L 50<w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<></td></w<>	245 ns/L 50 <w< td=""><td>246 ns/L 50<w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<></td></w<>	246 ns/L 50 <w< td=""><td>PCPH ns/L 50<w< td=""></w<></td></w<>	PCPH ns/L 50 <w< td=""></w<>
# Date and Time 3 20/10/82 15:00 STATION #4 Minico C	FLOW m3/s 5.06 Freek @ G FLOW m3/s	34 24DP ns/L 100 <w 100<w 26W Offre 34 24DP ns/L</w </w 	J5 DICA ng/L 100 <w 100<w J5 DICA ng/L</w </w 	PICL ns/L  100 <u 36="" l<="" ns="" picl="" td=""><td>SILV ng/L 50<w 37 SILV ng/L</w </td><td>HCB ns/L 1<w 38 HCB ns/L</w </td><td>234 ns/L 100<w 39 234 ns/L</w </td><td>2345 ns/L 50<w 40 2345 ns/L</w </td><td>2356 ns/L 50<w 41 2356</w </td><td>245 n⊴/L 50<w 42 245</w </td><td>246 ns/L 50<w 43 246</w </td><td>PCFH ns/L 50&lt;₩ 44 PCPH</td></u>	SILV ng/L 50 <w 37 SILV ng/L</w 	HCB ns/L 1 <w 38 HCB ns/L</w 	234 ns/L 100 <w 39 234 ns/L</w 	2345 ns/L 50 <w 40 2345 ns/L</w 	2356 ns/L 50 <w 41 2356</w 	245 n⊴/L 50 <w 42 245</w 	246 ns/L 50 <w 43 246</w 	PCFH ns/L 50<₩ 44 PCPH
# Date and Time  3 20/10/82 15:00  STATION #4 Mimico C	FLOW m3/s 5.06 Freek @ G FLOW m3/s	34 24DP ns/L 100 <w 100<w 26W Offre 34 24DP ns/L</w </w 	J5 DICA ng/L 100 <w< td=""><td>PICL ns/L 100<w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ns/L 1<w< td=""><td>234 ng/L 100&lt;₩ 39 234</td><td>2345 ns/L 50<w 40 2345</w </td><td>2356 ns/L 50<w 41 2356 ns/L</w </td><td>245 ns/L 50<w 42 245 ns/L</w </td><td>246 ns/L 50<w 43 246 ns/L</w </td><td>PCPH ns/L 50<w 44 PCPH ns/L</w </td></w<></td></w<></td></w<></td></w<>	PICL ns/L 100 <w< td=""><td>SILV ng/L 50<w< td=""><td>HCB ns/L 1<w< td=""><td>234 ng/L 100&lt;₩ 39 234</td><td>2345 ns/L 50<w 40 2345</w </td><td>2356 ns/L 50<w 41 2356 ns/L</w </td><td>245 ns/L 50<w 42 245 ns/L</w </td><td>246 ns/L 50<w 43 246 ns/L</w </td><td>PCPH ns/L 50<w 44 PCPH ns/L</w </td></w<></td></w<></td></w<>	SILV ng/L 50 <w< td=""><td>HCB ns/L 1<w< td=""><td>234 ng/L 100&lt;₩ 39 234</td><td>2345 ns/L 50<w 40 2345</w </td><td>2356 ns/L 50<w 41 2356 ns/L</w </td><td>245 ns/L 50<w 42 245 ns/L</w </td><td>246 ns/L 50<w 43 246 ns/L</w </td><td>PCPH ns/L 50<w 44 PCPH ns/L</w </td></w<></td></w<>	HCB ns/L 1 <w< td=""><td>234 ng/L 100&lt;₩ 39 234</td><td>2345 ns/L 50<w 40 2345</w </td><td>2356 ns/L 50<w 41 2356 ns/L</w </td><td>245 ns/L 50<w 42 245 ns/L</w </td><td>246 ns/L 50<w 43 246 ns/L</w </td><td>PCPH ns/L 50<w 44 PCPH ns/L</w </td></w<>	234 ng/L 100<₩ 39 234	2345 ns/L 50 <w 40 2345</w 	2356 ns/L 50 <w 41 2356 ns/L</w 	245 ns/L 50 <w 42 245 ns/L</w 	246 ns/L 50 <w 43 246 ns/L</w 	PCPH ns/L 50 <w 44 PCPH ns/L</w 

STATION #5 Black Cr	eek @ Sc									_		
		34	35	36	37	38	39	40	41	42	43	44
t Data and Tina	FLOW	2409	DICA n⊴/L	PICL ng/L	SILV ng/L	HCB ng/L	234 ns/L	2345 ng/L	2356 ng/L	245 ng/L	246 nd/L	PCPH n⊴/L
Date and Time	a3/s	ns/L	113/6	1137 L	1137 L	113/ L	113/ L		113/ L	113/ L		
20/10/82 14:00	0.52	100<₩	100<₩	100<₩	50<₩	1<₩	100<₩	50<₩	50<¥	50 <w< td=""><td>50&lt;₩</td><td>50<w< td=""></w<></td></w<>	50<₩	50 <w< td=""></w<>
20/10/82 15:00	1.74	100 (N	100 <w< td=""><td>100&lt;₩</td><td>50&lt;₩</td><td>1</td><td>100<w< td=""><td>50&lt;₩</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;4</td><td>50&lt;₩</td></w<></td></w<></td></w<></td></w<>	100<₩	50<₩	1	100 <w< td=""><td>50&lt;₩</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;4</td><td>50&lt;₩</td></w<></td></w<></td></w<>	50<₩	50 <w< td=""><td>50<w< td=""><td>50&lt;4</td><td>50&lt;₩</td></w<></td></w<>	50 <w< td=""><td>50&lt;4</td><td>50&lt;₩</td></w<>	50<4	50<₩
TATION ‡6 Humber R	iver 0 S			<b></b>	77	70	70			42	43	44
	FLOW	34 24DP	35 DICA	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 246	PCPH
Bate and Time	a3/s	ns/L	ng/L	ns/L	ng/L	ng/L	ng/L	ns/L	ua/F	ns/L	ng/L	ns/L
20/10/82 15:15	3,59	100 <w< td=""><td>100&lt;₩</td><td>100&lt;</td><td>50<w< td=""><td>1&lt;₩</td><td>100<w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	100<₩	100<	50 <w< td=""><td>1&lt;₩</td><td>100<w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<>	1<₩	100 <w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<>	50 <w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<>	50<¥	50 <w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<>	50 <w< td=""><td>50&lt;¥</td></w<>	50<¥
20/10/82 16:10	4.57 	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>50<n< td=""><td>0!LA</td><td>100<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<></td></w<></td></n<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>50<n< td=""><td>0!LA</td><td>100<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<></td></w<></td></n<></td></w<></td></w<>	100 <w< td=""><td>50<n< td=""><td>0!LA</td><td>100<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<></td></w<></td></n<></td></w<>	50 <n< td=""><td>0!LA</td><td>100<w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<></td></w<></td></n<>	0!LA	100 <w< td=""><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<></td></w<>	50<¥	50 <w< td=""><td>50&lt;₩</td><td>50&lt;₩ </td><td>50&lt;¥</td></w<>	50<₩	50<₩ 	50<¥
TATION #7 Humber R	iver @ L			7/	77	70	39	40	41	42	43	44
	FLOW	34 24DP	35 DICA	36 PICL	37 SILV	38 HCB	39 234	2345	2356	245	43 246	PCPH
Date and Time	a3/s	ng/L	ng/L	ns/L	ng/L	ng/L	ng/L	ng/L	ns/L	ns/L	na/L	ng/L
3 20/10/82 15:05	3.44	100<	100<₩	100<≌	50<¥	1 <n< td=""><td>100<w< td=""><td>50&lt;₩</td><td>50KW</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50<w< td=""></w<></td></w<></td></n<>	100 <w< td=""><td>50&lt;₩</td><td>50KW</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50<w< td=""></w<></td></w<>	50<₩	50KW	50<₩	50<¥	50 <w< td=""></w<>
7 20/10/82 17:45	5.03 	100 <w< td=""><td>100&lt;</td><td>100<w< td=""><td>50<w< td=""><td>1</td><td>100&lt;</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<>	100<	100 <w< td=""><td>50<w< td=""><td>1</td><td>100&lt;</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<>	50 <w< td=""><td>1</td><td>100&lt;</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50<w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<>	1	100<	50<¥	50<₩	50 <w< td=""><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<>	50 <w< td=""><td>50&lt;¥</td></w<>	50<¥
		<b></b>										
STATION #8 West Hum	ber 0 Ma	in Humb 34	er 35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH
Date and Time	a3/s	ns/L	ns/L	ng/L	ng/L	ns/L	ng/L	ng/L	ng/L	ris/L	ns/L	ns/L
20/10/82 14:40	0.54	240	100 <w< td=""><td>100&lt;¥</td><td>50<w< td=""><td>2</td><td>100&lt;₩</td><td>50K¥</td><td>50&lt;¥</td><td>50<u< td=""><td>50KW</td><td>90</td></u<></td></w<></td></w<>	100<¥	50 <w< td=""><td>2</td><td>100&lt;₩</td><td>50K¥</td><td>50&lt;¥</td><td>50<u< td=""><td>50KW</td><td>90</td></u<></td></w<>	2	100<₩	50K¥	50<¥	50 <u< td=""><td>50KW</td><td>90</td></u<>	50KW	90
5 20/10/32 14:40		100<	100 <w< td=""><td>100<w< td=""><td>50&lt;¥</td><td>3</td><td>100&lt;</td><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;¥</td><td>50⟨₩</td><td>50<n< td=""></n<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50&lt;¥</td><td>3</td><td>100&lt;</td><td>50&lt;¥</td><td>50<w< td=""><td>50&lt;¥</td><td>50⟨₩</td><td>50<n< td=""></n<></td></w<></td></w<>	50<¥	3	100<	50<¥	50 <w< td=""><td>50&lt;¥</td><td>50⟨₩</td><td>50<n< td=""></n<></td></w<>	50<¥	50⟨₩	50 <n< td=""></n<>
STATION ‡9 Main Hum	ber 0 We	st Humb	er 35	36	37	38	39	40	41	42	43	44
	FLOW	24DP	DICA	PICL	SILV	HCB	234	2345	2356	245	245	PCP
Bate and Time	<b>≥</b> 3/s	ns/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ua/F	n⊴/L
3 20/10/82 14:55	2.63	100 (W	100KW	100<	50<¥	1	100 <w< td=""><td>50<v< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50K¥</td></v<></td></w<>	50 <v< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50K¥</td></v<>	50<¥	50<¥	50<¥	50K¥
0, 10, 0- 1,100												

STATION #10 Humber  # Date and Time	FLOW	34 24DP ns/L	35 DICA ng/L	36 PICL n⊴/L	37 SILV ns/L	n≊\L HC3 38	39 234 ng/L	40 2345 ns/L	41 2356 ns/L	42 245 ng/L	43 246 ng/L	44 PCPH ns/L
5 20/10/82 15:25	2.67	100 <w< td=""><td>100&lt;</td><td>100<w< td=""><td>50&lt;₩</td><td>1&lt;₩</td><td>100<w< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;₩</td><td>50&lt;¥</td></w<></td></w<></td></w<>	100<	100 <w< td=""><td>50&lt;₩</td><td>1&lt;₩</td><td>100<w< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;₩</td><td>50&lt;¥</td></w<></td></w<>	50<₩	1<₩	100 <w< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;₩</td><td>50&lt;¥</td></w<>	50<¥	50<¥	50<₩	50<₩	50<¥
6 20/10/82 10:50	2.61	100<₩	100 <w< td=""><td>100<w< td=""><td>50&lt;₩</td><td>1&lt;₩</td><td>100<w< td=""><td>50&lt;₩</td><td>50&lt;₩</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;น</td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50&lt;₩</td><td>1&lt;₩</td><td>100<w< td=""><td>50&lt;₩</td><td>50&lt;₩</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;น</td></w<></td></w<></td></w<>	50<₩	1<₩	100 <w< td=""><td>50&lt;₩</td><td>50&lt;₩</td><td>50<w< td=""><td>50&lt;₩</td><td>50&lt;น</td></w<></td></w<>	50<₩	50<₩	50 <w< td=""><td>50&lt;₩</td><td>50&lt;น</td></w<>	50<₩	50<น
STATION #11 Black	Creek @ L	ence										
 STATION #11 Black	Creek @ L	.awrence 34	Ave. 35	36	<b></b> 37	38	39	40	41	42	43	44
STATION #11 Black	Creek @ L			36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 246	
		34	35		-							44 PCPH ns/L
# Date and Time 2 20/10/82 14:30	FLOW	34 24DF	35 DICA	PICL	SILV	HCB	234	2345	2356	245	246	PCPH

#### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 2 - NOVEMBER 3 TO NOVEMBER 5, 1982

Conventional Water Quality Parameters and Bacteria

♪ Date and Time	FLOW	BOD5 ms/L O	NH4 DS/L N	PΗ	Phosphates Filt, react ms/L P	Phosphorus Unfitotal ms/L P		Residue Partic. ms/L	Fecal Coliform 1/100mL	Fecal Strep \$/100mL
03/11/82 16:00	0.32	1.08	0.002 <t< td=""><td>8.32</td><td>0.0480</td><td>0.083</td><td>419.</td><td>4.90</td><td>400072</td><td>100&lt;</td></t<>	8.32	0.0480	0.083	419.	4.90	400072	100<
03/11/82 17:00	0.33	0.79	0.002 <t< td=""><td>8.25</td><td>0.0490</td><td>0.093</td><td>231.</td><td>7.24</td><td>600072</td><td>500073</td></t<>	8.25	0.0490	0.093	231.	7.24	600072	500073
03/11/82 18:00	0.40	1.17	0.002 <t< td=""><td>8.24</td><td>0.0490</td><td>0.110</td><td>436.</td><td>14.30</td><td>900072</td><td>800U7</td></t<>	8.24	0.0490	0.110	436.	14.30	900072	800U7
03/11/82 19:00	0.52	1.49	0.002KT	8.27	0.0560	0.115	445.	17.20	1500072	50007
03/11/82 21:00	0.74	1.90	0.006	8.45	0.0650	0.147	394.	33.20	1000<	300007
03/11/82 23:00	1.43	2.80	0.018	8.04	0.0530	0.230	343.	81.10	2000072	200007
04/11/82 01:00	2.04	2.48	0.004	7.95	0.0630	0.400	220.	150.00	1000	4000U7
04/11/82 03:20	2.04	2.02	0.026	7.93	0.0900	0.280	159.	170.00	1000U72	300007
04/11/82 14:05	1.27	1.46	0.034	7.78	0.0530	0.160	231.	66.90	4100072	3000U7
Minipum :	0.32	0.79	0.002	7.78	0.0480	0.083	159.	6.90	400.	100.
Maximum :	2.04	2.90	0.034	8.45	0.0900	0.400	445.	170.00	4100.	4000.
14	4 64								4445	4004
Hean :	1.01	1.59	0.011	8.14	0.0584	0.180	320.	60.76	1115.	1201.
			0.011 NH4 25/L N	8.14 	Phosphates	Phosphorus Unf,total	Residue	Residue Partic,	Fecal	Fecol Strep \$/100mL
TATION #2 Don Ri	ver @ Fro FLOW m3/s	nt St. 80D5 •≤/L 0	NH4	ρΗ	Phosphates Filt, react	Phosphorus Unf,total	Residuc Filtra.	Residue Partic.	Fecal Colifora	Fecal Strep
TATION #2 Don Ri  Date and Time	ver @ Fro FLOW m3/s	80D5 ms/L 0	NH4 25/L N		Phosphates Filt, react	Phosphorus Unf,total ∰⊈/L P	Residuc Filtra. mg/L	Residue Partic. Ms/L	Fecal Colifora ‡/100ml	Fecol Strep t/100mL
TATION #2 Don Ri  Date and Time  03/11/82 19:30 03/11/82 23:10	FLOW m3/s 9.22 20.67	BOD5 ms/L 0 2.16 4.50	NH4 22/L N 0.004 <t< td=""><td>рН 9.32</td><td>Phosphates Filt, react ME / L P  0.0580 0.0990</td><td>Phosphorus Unf,total ms/L P 0.400 0.362</td><td>Residue Filtra. mg/L 345.</td><td>Residue Partic, MS/L</td><td>Fecal Coliform ‡/100ml.</td><td>Fecal Strep \$/100mL 3900U7 5100U7</td></t<>	рН 9.32	Phosphates Filt, react ME / L P  0.0580 0.0990	Phosphorus Unf,total ms/L P 0.400 0.362	Residue Filtra. mg/L 345.	Residue Partic, MS/L	Fecal Coliform ‡/100ml.	Fecal Strep \$/100mL 3900U7 5100U7
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/82 02:00	FLOW m3/s 9.22 20.67 25.20	80D5 ms/L 0	NH4 ad/L N 0.004 <t 0.004<t< td=""><td>яН 8.32 7.69</td><td>Phosphates Filt, react Ms/L P</td><td>Phosphorus Unf,total mg/L P</td><td>Residue Filtra. ms/L 345. 363.</td><td>Residue Partic. &amp;s/L</td><td>Fecal Coliform ‡/100ml. 2900U72 4000U72</td><td>Fecal Strep \$/100mL 3900U 5100U 8100U</td></t<></t 	яН 8.32 7.69	Phosphates Filt, react Ms/L P	Phosphorus Unf,total mg/L P	Residue Filtra. ms/L 345. 363.	Residue Partic. &s/L	Fecal Coliform ‡/100ml. 2900U72 4000U72	Fecal Strep \$/100mL 3900U 5100U 8100U
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/92 02:00  04/11/92 04:30	FLOW m3/s 9.22 20.67 25.20 25.41	80D5 ms/L 0 2.16 4.50 3.90 3.08	NH4 ad/L N 0.004 <t 0.004<t 0.004<t< td=""><td>PH 8.32 7.69 8.12 8.18</td><td>Phosphates Filt, react Mg/L P 0.0580 0.0990 0.1200 0.0650</td><td>Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330</td><td>Residue Filtra. ms/L 345. 363. 370. 278.</td><td>Residue Partic. ms/L 211.00 143.00 142.00 177.00</td><td>Fecal Coliform ‡/100ml. 2900U72 4000U72 11300U72</td><td>Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7</td></t<></t </t 	PH 8.32 7.69 8.12 8.18	Phosphates Filt, react Mg/L P 0.0580 0.0990 0.1200 0.0650	Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330	Residue Filtra. ms/L 345. 363. 370. 278.	Residue Partic. ms/L 211.00 143.00 142.00 177.00	Fecal Coliform ‡/100ml. 2900U72 4000U72 11300U72	Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/82 02:00  04/11/82 04:30  04/11/82 07:00	FLOW m3/s 9.22 20.67 25.20 25.41 22.30	80D5 ms/L 0 2.16 4.50 3.90 3.08 2.54	NH4 ad/L N 0.004 <t 0.004<t 0.004<t 0.004<t< td=""><td>9.32 7.69 8.12 8.18 8.25</td><td>Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710</td><td>Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352</td><td>Residue Filtra. ms/L 345. 363. 370.</td><td>Residue Partic. &amp;s/L 211.00 143.00 142.00</td><td>Fecal Coliform #/100mL 2900U72 4000U72 11300U72 6200U72</td><td>Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7</td></t<></t </t </t 	9.32 7.69 8.12 8.18 8.25	Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710	Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352	Residue Filtra. ms/L 345. 363. 370.	Residue Partic. &s/L 211.00 143.00 142.00	Fecal Coliform #/100mL 2900U72 4000U72 11300U72 6200U72	Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/82 02:00  04/11/82 04:30  04/11/82 07:00  04/11/82 08:00	9.22 20.67 25.20 25.41 22.30 21.70	BOD5 ms/L 0 2.16 4.50 3.90 3.08 2.54 2.36	NH4 ad/L N 0.004 <t 0.004<t 0.004<t 0.004<t 0.004<t< td=""><td>9.32 7.69 8.12 8.18 8.25 8.14</td><td>Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640</td><td>Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352 0.400</td><td>Residue Filtra. ms/L 345. 363. 370. 278. 255. 236.</td><td>Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00</td><td>Fecal Coliform #/100ml. 2800U72 4000U72 11300U72 6200U72 2400U72</td><td>Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7 1500U7</td></t<></t </t </t </t 	9.32 7.69 8.12 8.18 8.25 8.14	Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640	Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352 0.400	Residue Filtra. ms/L 345. 363. 370. 278. 255. 236.	Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00	Fecal Coliform #/100ml. 2800U72 4000U72 11300U72 6200U72 2400U72	Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7 1500U7
TATION #2 Don Ri  Date and Time  03/11/92 19:30  03/11/92 23:10  04/11/82 02:00  04/11/82 04:30  04/11/82 07:00  04/11/82 09:00  04/11/82 14:48	FLOW m3/s 9.22 20.67 25.20 25.41 22.30	80D5 ms/L 0 2.16 4.50 3.90 3.08 2.54	NH4 ad/L N 0.004 <t 0.004<t 0.004<t 0.004<t< td=""><td>9.32 7.69 8.12 8.18 8.25</td><td>Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710</td><td>Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352</td><td>Residue Filtra. mg/L 345. 363. 370. 278. 255.</td><td>Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00</td><td>Fecal Coliform #/100ml. 2800U72 4000U72 11300U72 6200U72 2400U72 1800U72</td><td>Fecal Strep \$/100aL 3900U3 5100U 9100U3 4100U3 3600U3 1500U3 2800U3</td></t<></t </t </t 	9.32 7.69 8.12 8.18 8.25	Phosphates Filtyreact MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710	Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352	Residue Filtra. mg/L 345. 363. 370. 278. 255.	Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00	Fecal Coliform #/100ml. 2800U72 4000U72 11300U72 6200U72 2400U72 1800U72	Fecal Strep \$/100aL 3900U3 5100U 9100U3 4100U3 3600U3 1500U3 2800U3
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/82 02:00  04/11/82 04:30  04/11/82 07:00  04/11/82 08:00  04/11/82 14:48	FLOW m3/s 9.22 20.67 25.20 25.41 22.30 21.70 20.25	80D5 ms/L 0 2.16 4.50 3.90 3.09 2.54 2.36 2.64	NH4 as/L N 0.004 <t 0.004<t 0.004<t 0.004<t 0.004<t 0.004<t< td=""><td>9.32 7.69 8.12 8.18 8.25 8.14 8.29</td><td>Phosphates Filtyreact ME/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640 0.0630</td><td>Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352 0.400 0.380</td><td>Residue Filtra. ms/L 345. 363. 370. 278. 255. 236. 252.</td><td>Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00 212.00</td><td>Fecal Coliform #/100ml. 2900U72 4000U72 11300U72 6200U72 2400U72 1900U72 3700U72</td><td>Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7</td></t<></t </t </t </t </t 	9.32 7.69 8.12 8.18 8.25 8.14 8.29	Phosphates Filtyreact ME/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640 0.0630	Phosphorus Unf,total ms/L P 0.400 0.362 0.375 0.330 0.352 0.400 0.380	Residue Filtra. ms/L 345. 363. 370. 278. 255. 236. 252.	Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00 212.00	Fecal Coliform #/100ml. 2900U72 4000U72 11300U72 6200U72 2400U72 1900U72 3700U72	Fecal Strep t/100aL 3900U7 5100U7 8100U7 4100U7 3600U7
TATION #2 Don Ri  Date and Time  03/11/82 19:30  03/11/82 23:10  04/11/82 02:00  04/11/82 07:00  04/11/82 08:00  04/11/82 14:48  04/11/82 22:16	FLOW m3/s  9.22 20.67 25.20 25.41 22.30 21.70 20.25	80D5 ss/L 0  2.16 4.50 3.90 3.08 2.54 2.36 4.50	NH4 as/L N  0.004 <t 0.004<t="" 0.004<t<="" td=""><td>9.32 7.69 9.12 8.18 8.25 8.14 8.28</td><td>Phosphates Filt, react MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640 0.0630 0.0670</td><td>Phosphorus Unf,total ms/L P  0.400 0.362 0.375 0.330 0.352 0.400 0.360 0.352</td><td>Residue Filtra. ms/L 345. 363. 370. 278. 255. 236. 242. 323.</td><td>Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00 212.00 213.00</td><td>Fecal Coliform #/100ml. 2900U72 4000U72 11300U72 6200U72 2400U72 1800U72 3700U72 2700U72</td><td>Fecal Strep \$/100aL 3900U7 5100U7 8100U7 4100U7 3600U7 1500U7 2800U7 2400U7</td></t>	9.32 7.69 9.12 8.18 8.25 8.14 8.28	Phosphates Filt, react MS/L P  0.0580 0.0990 0.1200 0.0650 0.0710 0.0640 0.0630 0.0670	Phosphorus Unf,total ms/L P  0.400 0.362 0.375 0.330 0.352 0.400 0.360 0.352	Residue Filtra. ms/L 345. 363. 370. 278. 255. 236. 242. 323.	Residue Partic. ms/L 211.00 143.00 142.00 177.00 205.00 237.00 212.00 213.00	Fecal Coliform #/100ml. 2900U72 4000U72 11300U72 6200U72 2400U72 1800U72 3700U72 2700U72	Fecal Strep \$/100aL 3900U7 5100U7 8100U7 4100U7 3600U7 1500U7 2800U7 2400U7

STATION #3 Humber # Date and Time	River 9 FLOW a3/s	Bloor St. BOD5 ms/L O	NH4 1013/L N	ρΗ		Phosphorus Unf,total			Fectl Caliform ‡/100mL	Fecal Strep \$/100mL
1 03/11/82 19:00	15.34	2.20	0.008	8.11	0.0390	0.425	381.	286.00	500072	3100U72
		2.08	0.012	7.83	0.0510	0.297	375.	319.00	1000072	
2 03/11/82 23:45	19.53									
3 04/11/82 01:00	23.35	2.63	0.004 <t< td=""><td>7.71</td><td>0.0470</td><td>0.312</td><td>353.</td><td>220.00</td><td>19000072</td><td>-</td></t<>	7.71	0.0470	0.312	353.	220.00	19000072	-
4 04/11/82 04:30	27.09	2.05	0.012	8.31	0.0350	0.267	319.	195.00	900072	2300072
5 04/11/82 16:30	34.90	2.17	0.006	8,13	0.0490	0.392	319.	272.00	10004	2000072
5 05/11/82 07:00	37.39	1.90	0.044	9.30	0.0510	0.120	369.	298.00	10004	1000<
7 05/11/92 15:00	30.54	1.63	0.002KT	8.31	0.0580	0.342	389.	212.00	2000<=>	
8 05/11/82 20:45	32.77	1.58	0.002 <t< td=""><td>8.42</td><td>0.0530</td><td>0.255</td><td>347.</td><td>153.00</td><td>500&lt;=&gt;</td><td>3500</td></t<>	8.42	0.0530	0.255	347.	153.00	500<=>	3500
Minimum :	15.34	1.58	0.002	7.71	0.0350	0.255	318.	153.00	500.	1000.
Maximum :	38.77	2.63	0.044	8.42	0.0610	0.425	389.	319.00	18000.	53000.
Hean :	29.35	2.03	0.011	8.14	0.0491	0.339	357.	244.38	1299.	3072.
STATION #4 Himico	Creek 8	QEW Offram	P							
						Phosphorus				Fecal
	FLOW		NH4	ъH		Unf, total				Strep
‡ Date and Time	<b>23</b> /s	ms/L O	ms/L N		ms/L P	ns/L P	≇g/L	as/L	#/100BL	1/100mL
1 03/11/82 15:10	2.91	1.50	0.010	9.15	0.0820	0.250	309.	96.60	300072	1100073
2 03/11/92 17:50	2.83	1.57	0.002KT	3.00	0.0750	0.205	337.	57.20	400U72	1500073
3 03/11/82 20:00	2.45	1.08	0.004 <t< td=""><td>8,22</td><td>0.0670</td><td>0.180</td><td>350.</td><td>55.20</td><td>100&lt;</td><td>400073</td></t<>	8,22	0.0670	0.180	350.	55.20	100<	400073
4 03/11/92 22:20	3,39	1.35	0.002KT	9.04	0.0650	0.182	337.	47.90	100U72	1900U70
5 03/11/82 23:55	4.41	1.64	0.012	8.25	0.0750	0.175	298.	62.80	500072	
5 04/11/82 01:30	5.46	2.25	0.002KT	8.15	0.0830	0.475	237.	261.00	1800U72	
7 04/11/82 16:00	9.71	2.33	0.002KT	8.09	0.0930	0.432	247.	255.00	1200072	
8 05/11/82 02:30	5.09	1.44	0.006	7.98	0.0820	0.237	290.	120.00	700<=>	
Minimum :	2,45	1.08	0.002	7.98	0.0650	0.175	237.	47.30	100.	400.
Haximum :	9.71	2.33	0.012	8.25	0.0930	0.475	350.	251.00	1900.	2300.
Hean :	4.66	1.66	0.005	8.11	0.0779	0.267	301.	120.70	417.	1221.
STATION \$5 Black	 Creek 0 S	Scarlett Rd	<u></u>							:
						Phosphorus				Fecul
	FLOW	BOD5	NH4	гH		Unf, total				Strep
# Date and Time	<b>a</b> 3/s	as/L 0	ms/L N		as/L P	29/L P	<b>6</b> 9/L	ag/L	‡/100⊵L	#/100mL
1 03/11/82 16:00	1.41	3.17	0.002KT	7.76	0.0610	0.250	265.	93.50	1800U72	1100U72
2 04/11/82 00:10	5.89	2.30	0.002KT	7.73	0.0470	0.193	430.	55.60	1000<	7000U73
3 04/11/82 00:50	5.17	3.03	0.002 <t< td=""><td>8.06</td><td>0.0440</td><td>0.215</td><td>228.</td><td>82.30</td><td>1000U72</td><td>1000&lt;</td></t<>	8.06	0.0440	0.215	228.	82.30	1000U72	1000<
4 04/11/82 04:00	5.32	1.71	0.004 <t< td=""><td>8.11</td><td>0.0390</td><td>0.135</td><td>232.</td><td>57.90</td><td>1000U72</td><td>2000072</td></t<>	8.11	0.0390	0.135	232.	57.90	1000U72	2000072
5 04/11/82 08:00	6.97	1.50	0.002 <t< td=""><td>8.05</td><td>0.0500</td><td>0.180</td><td>216.</td><td>94.00</td><td>2200072</td><td>1800073</td></t<>	8.05	0.0500	0.180	216.	94.00	2200072	1800073
6 04/11/82 15:00	5.75	2.05	0.002 <t< td=""><td>8.33</td><td>0.0500</td><td>0.212</td><td>260.</td><td>94.90</td><td>2000072</td><td>3000073</td></t<>	8.33	0.0500	0.212	260.	94.90	2000072	3000073
7 04/11/82 16:30	6.46	2.20	0.010	8.12	0.0520	0.175	280.	77.90	1000<	1000U73
8 04/11/82 18:00	4.94	1.97	0.006	8.10	0.0550	0.160	318.	57.50	2100U72	3100U73
: מומוחות	1.41	1.50	0.002	7.73	0.0380	0.135	215.	55.60	1000.	1000.
Maxiaue :	6.97	3.17	0.010	8.33	0.0610	0.250	430.	96.90	2200.	7000.
Hean :	5.49	2.30	0.004	3.03	0.0509	0.189	279.	76.94	1421.	2360.
115011 1	J.77	0	V.VV-	3.05	0.0307	01107	-//-	70477	1741	20001

STATION ‡6 Humber				al!		Phosphorus		Residue	Fecal	Fecal
Bate and Time	FLOW m3/s	BOD5 mg/L O	NH4 ms/L N	He	ms/L P	Unf,total	mg/L	Partic. mg/L	t/100mL	Stree 1/100mi
03/11/82 19:15	19,44	1.76	0.002KT	8.35	0,0790	0.372	352.	227.00	700U72	120007
03/11/92 23:00	21.14	1.63	0.002 <t< td=""><td>8.41</td><td>0.0680</td><td>0.400</td><td>354.</td><td>208.00</td><td>700U72</td><td>120007</td></t<>	8.41	0.0680	0.400	354.	208.00	700U72	120007
03/11/82 23:30	21.72	2.04	0.002 <t< td=""><td>8.29</td><td>0.0380</td><td>0.285</td><td>323.</td><td>230.00</td><td>400U72</td><td>20000</td></t<>	8.29	0.0380	0.285	323.	230.00	400U72	20000
04/11/82 01:30	24.32	1.91	0.002KT	8.40	0.0290	0.257	308.	145.00	100U72	25000
04/11/82 03:00	24.53	1.73	0.002KT	8.41	0.0320	0.262	308.	215.00	600U72	22000
04/11/82 04:30	25,25	1.75	0.002 <t< td=""><td>8.11</td><td>0.0430</td><td>0.360</td><td>301.</td><td>274.00</td><td>200072</td><td>22000</td></t<>	8.11	0.0430	0.360	301.	274.00	200072	22000
05/11/82 01:15	43.75	2,22	0.002 <t< td=""><td>8.18</td><td>0.0460</td><td>0.423</td><td>340.</td><td>357.00</td><td>200&lt;=&gt;</td><td>2200</td></t<>	8.18	0.0460	0.423	340.	357.00	200<=>	2200
05/11/82 20:30	28.02	2.52	0.002 <t< td=""><td>8.21</td><td>0.0480</td><td>0.232</td><td>354.</td><td>156.00</td><td>1400</td><td>2300</td></t<>	8.21	0.0480	0.232	354.	156.00	1400	2300
Minimum :	19.44	1.63	0.002	8.11	0.0290	0.232	301.	145.00	100.	1200.
Maximum :	43.75	2.52	0.002	8,41	0.0790	0.423	354.	357.00	1400.	2500.
Mean :	26.02	1.93	0.002	8.30	0.0479	0.324	330.	230.25	400.	1909.
TATION #7 Humber	River @	Lawrence A								
					Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
•	FLOW	BOD5	NH4	ьH	Filt, react	Unf,total	Filtra.	Partic.	Coliform	Strep
Date and Time	<b>a</b> 3/s	ms/L 0	ms/L N		≇4/L P	as/L P	ms/L	as/L	\$/100mL	\$/100mL
03/11/82 22:30	22,58	1.95	0.002 <t< td=""><td>8.24</td><td>0.0310</td><td>0.252</td><td>367.</td><td>203.00</td><td>200072</td><td>19000</td></t<>	8.24	0.0310	0.252	367.	203.00	200072	19000
04/11/82 02:00	23.41	2.11	0.002 <t< td=""><td>7.90</td><td>0.0250</td><td>0.262</td><td>331.</td><td>190.00</td><td>700U72</td><td>22000</td></t<>	7.90	0.0250	0.262	331.	190.00	700U72	22000
04/11/82 07:50	32.40	2.19	0.002KT	8.08	0.0280	0.260	306.	190.00	600072	1800U
04/11/82 13:45	35.82	2.58	0.002 <t< td=""><td>8.27</td><td>0.0410</td><td>0.390</td><td>294.</td><td>287.00</td><td>400U72</td><td>1800U</td></t<>	8.27	0.0410	0.390	294.	287.00	400U72	1800U
04/11/82 20:00	45.81	2.21	0.002 <t< td=""><td>8.26</td><td>0.0530</td><td>0.525</td><td>332.</td><td>399.00</td><td>700072</td><td>2100U</td></t<>	8.26	0.0530	0.525	332.	399.00	700072	2100U
04/11/82 22:00	45.81	1.87	0.006	8.30	0.0640	0.425	311.	421.00	400072	17000
05/11/82 06:45	42.01	1.74	0.016	8.16	0.0590	0.375	331.	268.00	200<=>	1400
05/11/82 20:00	30.04	1.51	0.006	8.46	0.0550	0.315	0.!LA	0.00!LA	1000	3200
Minimum :	22.58	1.51	0.002	7.90	0.0260	0.252	294.	190.00	200.	1400.
Maximum :	45.81	2.58	0.016	8.46	0.0640	0.525	367.	421.00	1000.	3200.
Mean :	34.74	2.02	0.005	8.21	0.0446	0.351	325.	279.71	456.	1959.
TATION #8 West H	umber 9 Y	fain Humber								
	C) 011	DODE	2014	-11		Phosphorus		Residue	Fecal	Fecal
Date and Time	FLOW m3/s	80D5 mg/L 0	NH4	РΗ	ns/L P	Unf,total ≞⊴/L F	mg/L	Partic. mg/L	Coliform #/100mL	Strep 1/100mL
	1 01	1.93	0.008	8,29	A 0240	A 172	410.	108.00	200U72	 500U
03/11/82 17:15	1.91				0.0260	0.172			200072	1000
03/11/82 19:15	2.36	1.74	0.006	9.35	0.0250	0.167	418.	100.00	200072	6000
	3.99	1.86	0.004 <t< td=""><td>8.41</td><td>0.0300</td><td>0.215</td><td>351.</td><td>118.00</td><td></td><td>4000</td></t<>	8.41	0.0300	0.215	351.	118.00		4000
	4.39	1.85	0.006	8.28	0.0350	0.193	341.	110.00	200072	
04/11/82 04:45			0.008	8.10	0.0480	0.225	307.	127.00	400072	100< 200U
04/11/82 04:45 04/11/82 06:45	5.13	1.94		0 47	A A/AA					
04/11/82 04:45 04/11/82 06:45 04/11/82 15:00	5.13 5.70	2.17	0.004 <t< td=""><td>8.17</td><td>0.0520</td><td>0.240</td><td>323.</td><td>110.00</td><td>500072</td><td></td></t<>	8.17	0.0520	0.240	323.	110.00	500072	
04/11/82 04:45 04/11/82 06:45 04/11/82 15:00 05/11/82 10:30	5.13			8.17 8.25 7.93	0.0620 0.0730 0.0850	0.240 0.270 0.272	367. 353.	110.00 125.00 108.00	500U72 900<=> 500<=>	1000 1300
04/11/82 04:45 04/11/82 06:45 04/11/82 15:00 05/11/82 10:30 05/11/82 19:00	5.13 5.70 11.43 7.95	2.17 1.92 1.91	0.004 <t 0.006 0.006</t 	8.25 7.93	0.0730 0.0850	0.270 0.272	367. 353.	125.00 108.00	900<=> 500<=>	1000 1300
04/11/82 04:45 04/11/82 06:45 04/11/82 15:00 05/11/82 10:30 05/11/82 19:00 Minimum: Maximum:	5.13 5.70 11.43	2.17 1.92	0.004 <t 0.006</t 	8.25	0.0730	0.270	367.	125.00	900<=>	1000

	FLDW	BOD5	NH4	РĦ	Phosphates Filt, react	Phosphorus Unf,total		Residue Partic.	Fecal Coliform	Fecal Strep
≇ Date and Time	<b>u</b> 3/s	ag/L O	ms/L N		ns/L f	<b>≗</b> ⊴/L P	mg/L	#4/L	\$/100mL	‡/100mL
03/11/82 17:00	12.19	1.68	0.008	8.31	0.0400	0.310	352.	168.00	100U72	70007
03/11/82 23:30	13.20	2.18	0.015	8.22	0.0320	0.365	357.	153.00	200072	140007
3 04/11/82 02:00	13.77	1.25	0.006	8.35	0.0890	0.397	320.	216.00	600072	200007
4 04/11/82 05:00	15.93	1.56	0.006	8.32	0.0390	0.290	311.	180.00	100072	600U7
5 04/11/82 08:00	18.47	1.18	0.006	8.55	0.0960	0.310	308.	278.00	400U72	90007
6 04/11/82 18:00	26.93	1.74	0.006	8.34	0.0630	0.395	332.	394.00	300072	90007
7 05/11/82 02:00	29.47	1.71	0.004 <t< td=""><td>8.29</td><td>0.0500</td><td>0.385</td><td>333.</td><td>287.00</td><td>300&lt;=&gt;</td><td>800&lt;=</td></t<>	8.29	0.0500	0.385	333.	287.00	300<=>	800<=
3 05/11/82 18:45	17.54	1.22	0.004	8.41	0.0380	0.217	361.	173.00	100<	2400
Minimum :	12.19	1.18	0.004	8.22	0.0320	0.217	308.	158.00	100.	500.
Maximum :	29.47	2.18	0.016	8.55	0.0960	0.397	364.	394.00	600.	2400.
Hean :	18.44	1.57	0.007	8.35	0.0559	0.334	335.	231.75	214.	1078.
STATION #10 Humber	r River 6	Steeles A			Phosphates	Phosphorus		Residue	Fecal Coliform	Fecal Strep
# Date and Time	m3/s	ms/L O	as/L N	Pn	as/L P	ms/L P	#4/F	se/L	\$/100mL	1/100mL
03/11/82 16:00	12.94	1.58	0.004 <t< td=""><td>8.32</td><td>0.0360</td><td>0.290</td><td>339.</td><td>243.00</td><td>600U72</td><td>60007</td></t<>	8.32	0.0360	0.290	339.	243.00	600U72	60007
04/11/82 01:00	11.30	1.45	0.004 <t< td=""><td>9.38</td><td>0.0320</td><td>0.222</td><td>332.</td><td>227.00</td><td>100072</td><td>80007</td></t<>	9.38	0.0320	0.222	332.	227.00	100072	80007
3 04/11/82 04:10	12.11	1.27	0.004 <t< td=""><td>8.27</td><td>0.0340</td><td>0.227</td><td>336.</td><td>186.00</td><td>100072</td><td>90007</td></t<>	8.27	0.0340	0.227	336.	186.00	100072	90007
4 04/11/82 05:20	13.58	1.34	0.004 <t< td=""><td>8.23</td><td>0.0380</td><td>0.257</td><td>338.</td><td>189.00</td><td>500072</td><td>110007</td></t<>	8.23	0.0380	0.257	338.	189.00	500072	110007
5 04/11/82 13:30	19.04	1.52	0.008	8.16	0.0520	0.367	336.	226.00	200072	90007
04/11/82 17:50	21.25	1.68	0.005	8.28	0.0560	0.415	330.	285.00	300072	90007
04/11/82 22:10	21.38	1.53	0.004 <t< td=""><td>8.31</td><td>0.0580</td><td>0.345</td><td>350.</td><td>272.00</td><td>400072</td><td>30007</td></t<>	8.31	0.0580	0.345	350.	272.00	400072	30007
05/11/82 18:00	14.12	1.29	0.006	8,29	0.0340	0.215	351.	160.00	<=>500<	1400
Minimum :	11.50	1.27	0.004	8.16	0.0320	0.215	330.	150.00	100.	300.
Maximum :	21.38	1.68	0.008	8.38	0.0580	0.415	351.	295.00	500.	1400.
Mean :	15.75	1.46	0.005	8.28	0.0425	0.292	339.	223.50	279.	785.
STATION #11 Black	Creek @	Lawrence 6								·
		2025	VII.4		Phosphates			Residue	Feesl	Fecal
₽ Date and Time	FLOW m3/s	80D5 m⊴/L 0	NH4 Dg/L N	РΗ	as/L P	Unf,total ≇⊴/L f	ms/L	Partic. mg/L	Colifora ‡/100mL	Strep \$/100mL
03/11/82 15:30	0.96	1.66	0.010	8.19	0.0590	0.167	207.	55.60	500072	100007
2 03/11/82 22:00	1.20	3.01	0.016	8.17	0.0390	0.295	359.	56.10	100072	200007
3 03/11/82 23:33	2.44	5.60	0.012	7.75	0.0360	0.217	265.	97.10	1000072	380007
04/11/82 00:30	2.63	1.08	0.010	7.91	0.0430	0.202	255.	83.80	700U72	240007
5 04/11/82 04:25	2.93	1.42	900.0	8.22	0.0410	0.150	226.	90.10	400072	50007
6 04/11/82 11:15	4.44	1.80	0.004 <t< td=""><td>8.28</td><td>0.0590</td><td>0.247</td><td>236.</td><td>116.00</td><td>500072</td><td>9000</td></t<>	8.28	0.0590	0.247	236.	116.00	500072	9000
7 04/11/82 14:30	3.59	2.15	0.010	8.12	0.0590	0.227	312.	99.70	700072	11000
04/11/82 17:45	3.14	1.76	0.008	8.18	0.0630	0.215	309.	75.30	400U72	
Minimum :	0.96	1.08	0.004	7.75	0.0360	0.150	207.	55.60	100.	500.
						A 30E		44/ 88	4000	3800.
Maximum :	4.44	5.60	0.016	8.29	0.0630	0.295	359.	116.00	1000.	2000+

# TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 2 - MOVEMBER 3 TO NOVEMBER 5, 1982

Inordanic Parameters (Metals)

₿ Date and Time	FLOW m3/s	Cadmium mg/L Cd	Chrosius	Coprer md/L Cu	na\F Ha Weichin	Nickel ms/L Ni	Lead ∎⊴/L Pb	Zinc mg/L Zr
03/11/82 16:00	0.32	0.0002	0.006	0.019	0.040<	0.010	0.023	0.040
03/11/82 18:00	0.40	0.0004	0.004	0.018	0.040<	0.004	0.037	0.048
5 03/11/82 21:00	0.74	0.0004	0.005	0.023	0.040<	0.005	0.076	0.048
7 04/11/82 01:00	2.04	0.0007	0.011	0.037	0.040	0.008	0.087	0.120
Miniaua :	0.32	0.0002	0.004	0.018	0.040	0.004	0.023	0.040
Haximum:	2.04	0.0007	0.011	0.037	0.040	0.010	0.087	0.120
Hean :	1.01	0.0004	0.007	0.024	0.040	0.007	0.056	0.069
STATION #2 Don R	ver @ Fro	nt St.						,
Bate and Time	FLOW m3/s	Cadmium mg/L Cd	Chromium md/L Cr	Copper ed/L Cu	na\r Ha Werchra	Nickel m⊴/L Ni	Lead æ⊴/L Pb	Zinc mg/L Z
03/11/82 19:30	9,22	0.0006	0.010	0.018	0.040	0.008	0.031	0.065
3 04/11/82 02:00	25.20	0.0007	0.010	0.023	0.050	0.008	0.031	0.085
04/11/82 08:00	21.70	0.0006	0.008	0.024	0.040	0.007	0.058	0.077
Minimum :	9.22	0.0006	0.008	0.018	0.040	0.007	0.031	0.065
Maximum :	25.41	0.0007	0.010	0.024	0.050	0.008	0.058	0.085
Hean :	20.25	0.0006	0.009	0.022	0.043	0.008	0.040	0.076
STATION #3 Humbe	r River 0	Bloor St.						
# Date and Time	FLOW m3/s	pa/L Cd	euieord r3 J∖⊵a	Copper mg/L Cu	na\r Ha yercnra	Nickel as/L Ni	Lead as/L Pb	Zinc mg/L Z
1 03/11/82 19:00	15.34	0.0005	0.011	0.017	0.040<	0.008	0.023	0.048
3 04/11/82 01:00	23.35	0.0005	0.010	0.022	0.040<	0.007	0.033	0.054
6 05/11/82 07:00	37.39	0.0005	0.010	0.015	0.040<	0.008	0.020	0.042
8 05/11/82 20:45	38.77	0.0004	0.008	0.130	0.040<	0.006	0.013	0.027
Miniaua :	15.34	0.0004	0.008	0.016	0.040	0.006	0.013	0.027
Maximum :	38.77	0.0005	0.011	0.130	0.040	0.008	0.033	0.054

STATION #4 Himico	Creek @	QEW Offram	•					
# Date and Time	FLOW m3/s	Cadmium mg/L Cd	Chromium	Copper mg/L Cu	na\r Ha Weichia	Nickel ms/L Ni	Lead mg/L Pb	Zinc ms/L Zn
1 03/11/32 15:10	2,91	0.0005	0.022	0.017	0.010<	0.006	0.019	0.055
4 03/11/82 22:20	3.39	0.0004	0.017	0.017	0.040<	0.003	0.028	0.060
6 04/11/82 01:30	5.46	0.0010AI	MIAEEO.O M	0.037AIN	0.040	0.016AIN	0.062AIN	0.130AI
8 05/11/82 02:30	6.09	0.0005	0.014	0.015	0.040<	0.006	0.024	0.058
Minimum ↓	2.45	0.0004	0.014	0.015	0.040	0.003	0.019	0.055
Maximum :	9.71	0.0010	0.033	0.037	0.040	0.016	0.062	0.130
Mean :	4.56	0.0006	0.022	0.022	0.040	0.008	0.033	0.076
STATION ‡5 Black (	Creek @ S	carlett Rd	 ,					
	FLOW	Cadmium	Chromium	Copper	Hercury	Nickel	Lead	Zinc
# Date and Time	<b>2</b> 3/s	ms/L Cd	as/L Cr	as/L Cu	na/r Ha	ms/L Ni	ms/L Pb	ms/L Zn
3 04/11/82 00:50	6.17	0.0006	0.011	0.021	0.040	0.008	0.075	0.082
5 04/11/92 08:00	6.97	0.0004	0.009	0.013	0.050	0.006	0.033	0.050
8 04/11/82 18:00	4.94	0.0006	0.010	0.016	0.040	0.006	0.046	0.059
ทั่งกาพนต :	1.41	0.0004	0.009	0.013	0.040	0.006	0.033	0.050
Maximum :	6.97	0.0006	0.011	0.021	0.050	0.008	0.075	0.082
Mean :	5.49	0.0005	0.010	0.017	0.043	0.007	0.051	0.063
STATION ‡6 Humber	River @	Scarlett R	d.					
	FLOW	Cadaius	Chronium	Copper	Hercury	Nickel	Lead	Zinc
‡ Date and Time	<b>a</b> 3/s	ms/L Cd	ms/L Cr	n⊴/L Cu	na\r Ha	ms/L Ni	≇⊈/L Pb	∌⊴/L Zn
1 03/11/82 19:15	19.44	0.0003	0.008	0.013	0.040<	0.006	0.013	0.034
3 03/11/82 23:30	21.72	0.0004	0.009	0.014	0.040<	0.006	0.021	0.038
5 04/11/82 03:00	24.53	0.0004	0.012	0.014	0.040<	0.007	0.020	0.048
8 05/11/82 20:30	28.02	0.0002	0.006	0.013	0.040<	0.005	0.008	0.024
Minisus:	19.44	0.0002	0.006	0.013	0.040	0.005	0.008	0.024

Maximum : 43.75

Mean : 26.02

0.0004

0.0003

0.012

0.009

0.014 0.040 0.007

0.040

0.006

0.014

0.021

0.016

0.048

0.036

S	TATION #7 Humber	River 8	Famience Av	٤.					
‡	Nate and Time	FLOW m3/s	Cadmium ms/L Cd	Chromium ms/L Cr		Mercury us/L Hs	Nickel ms/L Ni	Lead mg/L Pb	Zinc ms/L Zn
5 7	04/11/82 07:50 04/11/82 20:00 05/11/82 06:45 05/11/82 20:00	32.40 45.81 42.01 30.04	0.0002< 0.0006AIN 0.0004 0.0003	0.010 0.016AIN 0.010 0.006	0.019 0.022AIN 0.018 0.011	0.040< 0.040< 0.040< 0.040<	0.010 0.010AIN 0.008 0.005	0.014 0.019AIN 0.014 0.008	0.070 0.051AIN 0.038 0.030

Hinimum: 22.58 0.0002 0.006 0.011 0.040 0.005 0.008 0.030 Maximum: 45.81 0.0005 0.016 0.022 0.040 0.010 0.019 0.070 Mean : 34.74 0.0004 0.011 0.018 0.040 0.008 0.014 0.047

#### STATION #8 West Humber @ Main Humber

‡	- Date and Time	FLOW №3/s	Cadmium mg/L Cd	ma\r Ci monton	Copper mg/L Cu	na\r Ha yercnia	Nickel ms/L Ni	Lead ms/L Pb	Zinc ms/L Zn
1	03/11/82 17:15	1.91	0.0002	0.006	0.012	0.040<	0.004	0.013	0.020
. 4	04/11/92 04:45	4.39	0.0003	0.008	0.013	0.040<	0.006	0.019	0.035
7	05/11/82 10:30	11.43	0.0003	0.007	0.014	0.040<	0.006	0.007	0.037
8	05/11/82 19:00	7.95	0.0002	0.006	0.016	0.040<	0.005	0.010	0.026
	Hiniaua :	1.91	0.0002	0.006	0.012	0.040	0.004	0.007	0.020
	Haxioum:	11.43	0.0003	0.008	0.016	0.040	0.006	0.019	0.037
	mean :	5.36	0.0003	0.007	0.014	0.040	0.005	0.012	0.030

#### STATION #9 Hain Humber @ West Humber

# Date and Time	FLOW m3/s	Cadwium ms/L Cd	Chromium	Copper ms/L Cu	Hercury	Mickel ms/L Ni	Lead m≤/L Fb	Zinc ms/L Zn
1 03/11/82 17:00	12.19	0.0003	0.010	0.014	0.040<	0.006	0.010	0.035
4 04/11/82 05:00	15.93	0.0002	0.012	0.014	0.0404	0.006	0.012	0.029
7 05/11/92 02:00	29.47	0.0003	0.008	0.014	0.040<	0.005	0.010	0.034
9 05/11/82 18:45	17.54	0.0002	0.005	0.012	0.030<	0.004	0.005	0.016
ทัวกาลนด :	12.19	0.0002	0.005	0.012	0.030	0.004	0.005	0.016
ที่อะเกษน :	29.47	0.0003	0.012	0.014	0.040	0.006	0.012	0.035
Mean :	19.44	0.0003	0.009	0.014	0.037	0.004	0.009	0.029

STATION #10 Humber	River 0	Steeles Ave.			
Date and Time		Cadmium Chromium	 		Zinc as/L Zn

‡	Date and Time	<b>a</b> 3/s	md/L Cd	ms/L Cr	∌4/F Cn	us/L Hs	as/L Ni	a⊈/L Pb	aa/L Zn
3	03/11/82 16:00	12.94	0.0002	0.012	0.013	0.030<	0.005	0.007	0.030
	04/11/92 04:10	12.11	0.0002	0.005	0.012	0.030<	0.004	0.017	0.031
	04/11/82 17:50	21.25	0.0004	0.010	0.013	0.030<	0.008	0.012	0.032
	05/11/82 18:00	14.12	0.0002	0.006	0.013	0.030<	0.004	0.008	0.015
	Minimum :	11.60	0.0002	0.005	0.012	0.030	0.004	0.007	0.015
	Maximum :	21.38	0.0004	0.012	0.018	0.030	0.008	0.017	0.032
	Mean :	15.75	0.0002	0.008	0.014	0.030	0.005	0.011	0.027

STATION #11 Black Creek @ Lawrence Ave.

‡ Date and Time	FLOW m3/s	Cadalum mg/L Cd	Chromium	Copper ms/L Cu	na\r Ha yercnia	Nickel ms/L Ni	Lead ms/L Pb	Zinc mg/L Zn
1 03/11/82 15:30	0.95	0.0002	0.007	0.017	0.030	0.004	0.015	0.044
4 04/11/82 00:30	2.63	0.0004	0.008	0.016	0.060	0.007	0.052	0.073
6 04/11/82 11:15	4.44	0.0004	0.011	0.017	0.070	0.004	0.049	0.075
8 04/11/92 17:45	3.14	0.0003	0.008	0.015	0.040	0.005	0.035	0.050
Miniaua :	0.96	0.0002	0.007	0.016	0.030	0.004	0.015	0.044
Maximum :	4.44	0.0004	0.011	0.017	0.070	0.007	0.052	0.075
Mean :	2.57	0.0003	0.009	0.017	0.050	0.006	0.038	0.060

### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 2 - NOVEMBER 3 TO NOVEMBER 5, 1982

Pesticides and Organic Parameters

STATION #1 Taylor (	l												
21HITOK #1 19310L (	reek	10	11	12	13	14	15	15	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	TOND	END1	ENDO	ENDR	ENDS
# Date and Time	m3/s	ng/L	ng/L	ns/L	ua/F	ua\F	ng/L	na/L	n⊴/L	ng/L	ns/L	ng/L	ns/L
3 03/11/82 18:00	0.40	1 <w< td=""><td>7</td><td>1&lt;4</td><td>5</td><td>2&lt;₩</td><td>2&lt;1/</td><td>2KW</td><td>5&lt;₩</td><td>2&lt;₩</td><td>4&lt;₩</td><td>4<w< td=""><td>4&lt;¥</td></w<></td></w<>	7	1<4	5	2<₩	2<1/	2KW	5<₩	2<₩	4<₩	4 <w< td=""><td>4&lt;¥</td></w<>	4<¥
7 04/11/82 01:00	2,04	1 <w< td=""><td>16</td><td>1<w< td=""><td>14</td><td>2<w< td=""><td>2KW</td><td>2<w< td=""><td>5୯<b>୬</b> </td><td>2&lt;¥</td><td>4&lt;발</td><td>4&lt;₩ </td><td>4<w< td=""></w<></td></w<></td></w<></td></w<></td></w<>	16	1 <w< td=""><td>14</td><td>2<w< td=""><td>2KW</td><td>2<w< td=""><td>5୯<b>୬</b> </td><td>2&lt;¥</td><td>4&lt;발</td><td>4&lt;₩ </td><td>4<w< td=""></w<></td></w<></td></w<></td></w<>	14	2 <w< td=""><td>2KW</td><td>2<w< td=""><td>5୯<b>୬</b> </td><td>2&lt;¥</td><td>4&lt;발</td><td>4&lt;₩ </td><td>4<w< td=""></w<></td></w<></td></w<>	2KW	2 <w< td=""><td>5୯<b>୬</b> </td><td>2&lt;¥</td><td>4&lt;발</td><td>4&lt;₩ </td><td>4<w< td=""></w<></td></w<>	5୯ <b>୬</b> 	2<¥	4<발	4<₩ 	4 <w< td=""></w<>
STATION #2 Don Rive	er @ Fron	 t St.											
		10	11	12	13	14	15	16	17	18	19	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	TONO	END1	ENDO	ENDR	ENDS
# Nate and Time	n3/s	ng/L	ns/L	na/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ua/r
3 04/11/82 02:00	25.20	1 <w< td=""><td>9</td><td>4</td><td>1&lt;#</td><td>2<w< td=""><td>249</td><td>24#</td><td>5&lt;₩</td><td>2K#</td><td>4&lt;\</td><td>4&lt;₩</td><td>4&lt;\</td></w<></td></w<>	9	4	1<#	2 <w< td=""><td>249</td><td>24#</td><td>5&lt;₩</td><td>2K#</td><td>4&lt;\</td><td>4&lt;₩</td><td>4&lt;\</td></w<>	249	24#	5<₩	2K#	4<\	4<₩	4<\
5 04/11/82 08:00	21.70	1<₩	13	10	7	2 <w< td=""><td>2<w< td=""><td>2&lt;₩</td><td>5&lt;\</td><td>2&lt;₩</td><td>4&lt;₩</td><td>4&lt;₩</td><td>4&lt;₩</td></w<></td></w<>	2 <w< td=""><td>2&lt;₩</td><td>5&lt;\</td><td>2&lt;₩</td><td>4&lt;₩</td><td>4&lt;₩</td><td>4&lt;₩</td></w<>	2<₩	5<\	2<₩	4<₩	4<₩	4<₩
	21.70	7.4			·								
STATION #3 Humber f				12	13	14	15	16	17	19	19	20	21
		loor St.							17 SMDT na/L		19 END2 ng/L	20 ENDR ng/L	ENDS ENDS
STATION ‡3 Humber F	River @ B.	loor St. 10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	TOKO	18 End1	END2	ENDR	ENDS n⊴/L 4<⊌
STATION #3 Humber f  # Date and Time  3 04/11/82 01:00	FLOW m3/s 23.35 27.39	10or St. 10 ALDR ng/L 1 <w< td=""><td>11 BHCA ns/L 6 6</td><td>12 BHCB ns/L 5 1<w< td=""><td>13 BHCG ns/L 5 2</td><td>14 CHLA ns/L 24W</td><td>15 CHLG ns/L 24W 2</td><td>16 DIEL ns/L 2<w 2/W</w </td><td>RMDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></td></w<>	11 BHCA ns/L 6 6	12 BHCB ns/L 5 1 <w< td=""><td>13 BHCG ns/L 5 2</td><td>14 CHLA ns/L 24W</td><td>15 CHLG ns/L 24W 2</td><td>16 DIEL ns/L 2<w 2/W</w </td><td>RMDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<>	13 BHCG ns/L 5 2	14 CHLA ns/L 24W	15 CHLG ns/L 24W 2	16 DIEL ns/L 2 <w 2/W</w 	RMDT ns/L 5 <w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w 	18 END1 nd/L 24W 24W	END2 ng/L 4 <w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w 	ENDR ng/L 4 <w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w 	ENDS ng/L 4 <w 4<w< td=""></w<></w 
\$TATION \$3 Humber F \$ Date and Time 3 04/11/82 01:00 5 05/11/82 07:00	River @ B.  FLOW m3/s 23.35 37.39	10or St. 10 ALDR ns/L 1 <w< td=""><td>11 BHCA ng/L 6 6</td><td>12 BHCB ns/L 5 1<w< td=""><td>13 BHCG nd/L 5 2</td><td>14 CHLA ns/L 2<w< td=""><td>15 CHLG nd/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>BNDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></td></w<></td></w<>	11 BHCA ng/L 6 6	12 BHCB ns/L 5 1 <w< td=""><td>13 BHCG nd/L 5 2</td><td>14 CHLA ns/L 2<w< td=""><td>15 CHLG nd/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>BNDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></td></w<>	13 BHCG nd/L 5 2	14 CHLA ns/L 2 <w< td=""><td>15 CHLG nd/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>BNDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<>	15 CHLG nd/L 2 <w 2</w 	16 DIEL ns/L 2 <w 2<w< td=""><td>BNDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w 	BNDT ns/L 5 <w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w 	18 END1 nd/L 24W 24W	END2 ng/L 4 <w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w 	ENDR ng/L 4 <w 4<w< td=""><td>ENDS ng/L 4<w 4<w< td=""></w<></w </td></w<></w 	ENDS ng/L 4 <w 4<w< td=""></w<></w 
\$TATION \$3 Humber F \$ Date and Time 3 04/11/82 01:00 5 05/11/82 07:00	FLOW m3/s 23.35 27.39	10or St. 10 ALDR ng/L 1 <w< td=""><td>11 BHCA ns/L 6 6</td><td>12 BHCB ns/L 5 1<w< td=""><td>13 BHCG ns/L 5 2</td><td>14 CHLA ns/L 24W</td><td>15 CHLG ns/L 24W 2</td><td>16 DIEL ns/L 2<w 2/W</w </td><td>RMDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS nd/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></td></w<>	11 BHCA ns/L 6 6	12 BHCB ns/L 5 1 <w< td=""><td>13 BHCG ns/L 5 2</td><td>14 CHLA ns/L 24W</td><td>15 CHLG ns/L 24W 2</td><td>16 DIEL ns/L 2<w 2/W</w </td><td>RMDT ns/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS nd/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<>	13 BHCG ns/L 5 2	14 CHLA ns/L 24W	15 CHLG ns/L 24W 2	16 DIEL ns/L 2 <w 2/W</w 	RMDT ns/L 5 <w 5<w< td=""><td>18 END1 nd/L 24W 24W</td><td>END2 ng/L 4<w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS nd/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w 	18 END1 nd/L 24W 24W	END2 ng/L 4 <w 4<w< td=""><td>ENDR ng/L 4<w 4<w< td=""><td>ENDS nd/L 4<w 4<w< td=""></w<></w </td></w<></w </td></w<></w 	ENDR ng/L 4 <w 4<w< td=""><td>ENDS nd/L 4<w 4<w< td=""></w<></w </td></w<></w 	ENDS nd/L 4 <w 4<w< td=""></w<></w 
\$TATION \$3 Humber F \$ Date and Time 3 04/11/82 01:00 5 05/11/82 07:00 \$TATION \$4 Mimico (	River @ B.  FLOW m3/s 23.35 37.39  Creek @ GI	loor St. 10 ALDR ns/L 1 <w 10="" 1<w="" aldr<="" ew="" offra="" td=""><td>11 BHCA ng/L 6 6</td><td>12 BHCB ns/L 5 1<w< td=""><td>13 BHC6 nd/L 5 2</td><td>14 CHLA ng/L 2<w 2<w< td=""><td>15 CHLG ns/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>SHDT ng/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W 18 END1</td><td>END2 ns/L 4<w 4<w 19 END2</w </w </td><td>ENDR ng/L 4<w 4<w 20 ENDR</w </w </td><td>ENDS ns/L 4<w 4<w 21 ENDS</w </w </td></w<></w </td></w<></w </td></w<></w </td></w<></td></w>	11 BHCA ng/L 6 6	12 BHCB ns/L 5 1 <w< td=""><td>13 BHC6 nd/L 5 2</td><td>14 CHLA ng/L 2<w 2<w< td=""><td>15 CHLG ns/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>SHDT ng/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W 18 END1</td><td>END2 ns/L 4<w 4<w 19 END2</w </w </td><td>ENDR ng/L 4<w 4<w 20 ENDR</w </w </td><td>ENDS ns/L 4<w 4<w 21 ENDS</w </w </td></w<></w </td></w<></w </td></w<></w </td></w<>	13 BHC6 nd/L 5 2	14 CHLA ng/L 2 <w 2<w< td=""><td>15 CHLG ns/L 2<w 2</w </td><td>16 DIEL ns/L 2<w 2<w< td=""><td>SHDT ng/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W 18 END1</td><td>END2 ns/L 4<w 4<w 19 END2</w </w </td><td>ENDR ng/L 4<w 4<w 20 ENDR</w </w </td><td>ENDS ns/L 4<w 4<w 21 ENDS</w </w </td></w<></w </td></w<></w </td></w<></w 	15 CHLG ns/L 2 <w 2</w 	16 DIEL ns/L 2 <w 2<w< td=""><td>SHDT ng/L 5<w 5<w< td=""><td>18 END1 nd/L 24W 24W 18 END1</td><td>END2 ns/L 4<w 4<w 19 END2</w </w </td><td>ENDR ng/L 4<w 4<w 20 ENDR</w </w </td><td>ENDS ns/L 4<w 4<w 21 ENDS</w </w </td></w<></w </td></w<></w 	SHDT ng/L 5 <w 5<w< td=""><td>18 END1 nd/L 24W 24W 18 END1</td><td>END2 ns/L 4<w 4<w 19 END2</w </w </td><td>ENDR ng/L 4<w 4<w 20 ENDR</w </w </td><td>ENDS ns/L 4<w 4<w 21 ENDS</w </w </td></w<></w 	18 END1 nd/L 24W 24W 18 END1	END2 ns/L 4 <w 4<w 19 END2</w </w 	ENDR ng/L 4 <w 4<w 20 ENDR</w </w 	ENDS ns/L 4 <w 4<w 21 ENDS</w </w 

					4								
STATION #5 Black C	reek @ Sc	arlett S	:d.										
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 9HCG	14 CHLA	15 CHLG	15 DIEL	17 Dadt	18 END1	19 END2	20 ENDR	21 ENDS
‡ Date and Time	n3/s	na/L	ua/r	ua/F	ua/F	ns/L	ns/L	ng/L	ua/L	ns/L	na/L	ua/F	ng/L
3 04/11/82 00:50	5.17	1<발	12	5	5	24¥	2<1	249	5 <w< td=""><td>2&lt;¥</td><td>4<w< td=""><td>4&lt;날</td><td>4&lt;발</td></w<></td></w<>	2<¥	4 <w< td=""><td>4&lt;날</td><td>4&lt;발</td></w<>	4<날	4<발
5 04/11/82 08:00	5 <b>.9</b> 7	1 <u< td=""><td>13</td><td>4</td><td>5</td><td>2<w< td=""><td>2KW</td><td>2KW</td><td>5<w< td=""><td>2<w< td=""><td>4<w< td=""><td>4<ij< td=""><td>4&lt;달</td></ij<></td></w<></td></w<></td></w<></td></w<></td></u<>	13	4	5	2 <w< td=""><td>2KW</td><td>2KW</td><td>5<w< td=""><td>2<w< td=""><td>4<w< td=""><td>4<ij< td=""><td>4&lt;달</td></ij<></td></w<></td></w<></td></w<></td></w<>	2KW	2KW	5 <w< td=""><td>2<w< td=""><td>4<w< td=""><td>4<ij< td=""><td>4&lt;달</td></ij<></td></w<></td></w<></td></w<>	2 <w< td=""><td>4<w< td=""><td>4<ij< td=""><td>4&lt;달</td></ij<></td></w<></td></w<>	4 <w< td=""><td>4<ij< td=""><td>4&lt;달</td></ij<></td></w<>	4 <ij< td=""><td>4&lt;달</td></ij<>	4<달
STATION #6 Humber	River @ S				_		_		_				
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 DMDT	19 END1	19 END2	20 Endr	21 ENDS
‡ Date and Time	m3/s	ns/L	ua/r	ng/L	ua/F	ns/L	ns/L	ua/F	Ua\F	ua/F	ua\r sun:	ua/F	ns/L
3 03/11/82 23:30	21.72	1<발	7	5	2	2<4	2<\	2KW	5KN	249	4<))	4 <n< td=""><td>4&lt;\J</td></n<>	4<\J
5 04/11/82 03:00	24.53	1 <w< td=""><td>9</td><td>3</td><td>4</td><td>2KW</td><td>2KW</td><td>2KW</td><td>5<w< td=""><td>249</td><td>444</td><td>4&lt;₩ </td><td>4<ij< td=""></ij<></td></w<></td></w<>	9	3	4	2KW	2KW	2KW	5 <w< td=""><td>249</td><td>444</td><td>4&lt;₩ </td><td>4<ij< td=""></ij<></td></w<>	249	444	4<₩ 	4 <ij< td=""></ij<>
STATION #7 Humber	River @ L												
	FLOW	10 ALDR	11 BHCA	12 8HC8	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 Dadt	18 END1	19 END2	20 Endr	21 ENDS
‡ Date and Time	#3/s	ng/L	UA\F	na/L	ua\r pucq	ns/L	ua/r	UA\T	ua\r pupi	ng/L	UZ\r	na/L	ua/r
3 04/11/82 07:50	32.40	1<발	8	6	2	2<#	2 (#	2<1	5()	2<발	4<¥	4<¥	4<발
5 04/11/82 20:00	45.81	144	8	1 <w< td=""><td>3</td><td>2KW</td><td>2<w< td=""><td>2KW</td><td>5<w< td=""><td>2KW</td><td>4 (W</td><td>4 (W</td><td>4&lt;₩ </td></w<></td></w<></td></w<>	3	2KW	2 <w< td=""><td>2KW</td><td>5<w< td=""><td>2KW</td><td>4 (W</td><td>4 (W</td><td>4&lt;₩ </td></w<></td></w<>	2KW	5 <w< td=""><td>2KW</td><td>4 (W</td><td>4 (W</td><td>4&lt;₩ </td></w<>	2KW	4 (W	4 (W	4<₩ 
STATION #8 West Hu	aber 0 Ma			40	4.7	4.	45		42	40	40	24	24
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 Chlg	15 DIEL	17 DHDT	19 Endi	19 END2	20 Endr	21 Ends
# Nate and Time	a3/s	ns/L	ns/L	ns/L	ns/L	ua\r	ua\r	ns/L	ns/L	na/L	ua\r	ua\r	ns/L
4 04/11/82 04:45	4.39	1<발	8	141	2	2<₩	2<님	2<₩	5<¥	2선회	4/발	4 <h< td=""><td>4&lt;\$</td></h<>	4<\$
7 05/11/82 10:30	11.43	147	5 	1 <w< td=""><td>4</td><td>2KW</td><td>24W</td><td>2<w< td=""><td>5&lt;\H</td><td>244</td><td>4&lt;\ </td><td>4&lt;₩</td><td>4 ( )</td></w<></td></w<>	4	2KW	24W	2 <w< td=""><td>5&lt;\H</td><td>244</td><td>4&lt;\ </td><td>4&lt;₩</td><td>4 ( )</td></w<>	5<\H	244	4<\	4<₩	4 ( )
STATION #9 Hain Hu	mber 0 We												
	FLOW	10 ALDR	11 BHCA	12 8HCB	13 BHCG	14 CHLA	15 CHLG	15 DIEL	17 Dadt	19 END1	19 END2	20 Endr	21 Ends
# Date and Time	m3/s	ns/L	ns/L	ua\r sucs	ng/L	ns/L	ua/r	UR/F	ומאר אינו	ua\r Funi	us/F	n⊴/L	ויב\ך באנוני
4 04/11/92 05:00	15.93	1<₩	9	4	10	2<₩	2<\	2<¥	5 <w< td=""><td>2&lt;및</td><td>4&lt;ఓ</td><td>4<w< td=""><td>4<w< td=""></w<></td></w<></td></w<>	2<및	4<ఓ	4 <w< td=""><td>4<w< td=""></w<></td></w<>	4 <w< td=""></w<>
7 05/11/92 02:00	29.47	1 <w< td=""><td>દ</td><td>14W</td><td>1<w< td=""><td>2/14</td><td>2&lt;₩</td><td>244</td><td>5&lt;น</td><td>2⊴¥</td><td>4&lt;냉</td><td>4&lt;₩</td><td>4<w< td=""></w<></td></w<></td></w<>	દ	14W	1 <w< td=""><td>2/14</td><td>2&lt;₩</td><td>244</td><td>5&lt;น</td><td>2⊴¥</td><td>4&lt;냉</td><td>4&lt;₩</td><td>4<w< td=""></w<></td></w<>	2/14	2<₩	244	5<น	2⊴¥	4<냉	4<₩	4 <w< td=""></w<>

STATION			River @ FLOW m3/s	Steeles 10 ALDR ng/L	11 BHCA ng/L	12 BHCB ng/L	13 BHCG ng/L	14 CHLA ng/L	15 CHLG ng/L	16 DIEL n≲∕L	17 DMDT ng/L	18 END1 ns/L	19 END2 ng/L	20 ENDR ns/L	21 ENDS na/L
3 04/11 5 04/11			12.11 21.25	1<₩ 1<₩	5 1 <w< td=""><td>1&lt;9 1&lt;9</td><td>9 1&lt;₩</td><td>2&lt;¥ 2&lt;¥</td><td>2<w 2<w< td=""><td>2KW 2KW</td><td>5&lt;\\ 5&lt;\\</td><td>2&lt;¥ 2&lt;¥</td><td>4<u 4<u< td=""><td>4&lt;넓 4&lt;は</td><td>4건날 4건날</td></u<></u </td></w<></w </td></w<>	1<9 1<9	9 1<₩	2<¥ 2<¥	2 <w 2<w< td=""><td>2KW 2KW</td><td>5&lt;\\ 5&lt;\\</td><td>2&lt;¥ 2&lt;¥</td><td>4<u 4<u< td=""><td>4&lt;넓 4&lt;は</td><td>4건날 4건날</td></u<></u </td></w<></w 	2KW 2KW	5<\\ 5<\\	2<¥ 2<¥	4 <u 4<u< td=""><td>4&lt;넓 4&lt;は</td><td>4건날 4건날</td></u<></u 	4<넓 4<は	4건날 4건날
STATION	+11	1 Black	 Creek @ L						45						
STATION	 { \$11	1 Black (	Creek @ L	awrence 10 ALDR	Ave. 11 BHCA	12 BHCB	13 8HCG	14 CHLA	15 CHLG	16 DIEL	17 DMDT	18 END1	19 END2	20 ENDR	21 ENDS
STATION				10	11										
	e and	d Time 	FLOW	10 ALDR	11 BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	TOND	END1	END2	ENDR	ENDS

### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER DUALITY DATA WET EVENT 2 - NOVEMBER 3 TO NOVEMBER 5, 1992

Pesticides and Ordanic Parameters

STATION #1 Taylor	Creek												
	FLOW	22 HEPE	23 HEPT	24 HIRX	25 OCHL	25 Opdt	27 PCBT	28 PPDD	29 PPDE	30 PPDT	31 245T	32 240	33 24DB
# Date and Time	m3/s	ng/L	ng/L	ng/L	ua/F	ua\r	ns/L	ng/L	ns/L	ns/L	ns/L	ns/L	ns/L
3 03/11/82 18:00	0.40	1 <w< td=""><td>1&lt;님</td><td>5&lt;¥</td><td>2&lt;ఓ</td><td>5&lt;¥</td><td>0!CS</td><td>SKW</td><td>1&lt;₩</td><td>5KH</td><td>50&lt;발</td><td>270</td><td>200&lt;\</td></w<>	1<님	5<¥	2<ఓ	5<¥	0!CS	SKW	1<₩	5KH	50<발	270	200<\
7 04/11/32 01:00	2.04	1<1/	1 <w< td=""><td>5<w< td=""><td>2<w< td=""><td>5&lt;¥</td><td>390P54</td><td>5<w< td=""><td>1<w< td=""><td>5<w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>2<w< td=""><td>5&lt;¥</td><td>390P54</td><td>5<w< td=""><td>1<w< td=""><td>5<w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<></td></w<></td></w<></td></w<></td></w<>	2 <w< td=""><td>5&lt;¥</td><td>390P54</td><td>5<w< td=""><td>1<w< td=""><td>5<w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<></td></w<></td></w<></td></w<>	5<¥	390P54	5 <w< td=""><td>1<w< td=""><td>5<w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<></td></w<></td></w<>	1 <w< td=""><td>5<w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<></td></w<>	5 <w< td=""><td>50&lt;¥</td><td>200</td><td>200<n< td=""></n<></td></w<>	50<¥	200	200 <n< td=""></n<>
STATION #2 Don Riv	er @ Fron	 t St.											
	בו מוו	55	23	24	25	26	27	20	29	30	31	32	33
# Date and Time	FLOW m3/s	HEPE ns/L	HEPT ns/L	MIRX ng/L	ochr ochr	OPDT ng/L	PCBT ns/L	DDG99 ng/L	PPDE ng/L	PPDT ns/L	245T ris/L	24D ns/L	24DB ns/L
3 04/11/82 02:00	25.20	1KW	1<4	5<\h	2 <a< td=""><td>5KW</td><td>90P54</td><td>5KW</td><td>1&lt;\</td><td>5&lt;¥</td><td>50&lt;¥</td><td>380</td><td>200&lt;¥</td></a<>	5KW	90P54	5KW	1<\	5<¥	50<¥	380	200<¥
6 04/11/82 08:00	21.70	1 <w< td=""><td>1&lt;4</td><td>5&lt;¥</td><td>2&lt;4</td><td>5&lt;\b</td><td>110P54</td><td>5&lt;1J</td><td>144</td><td>5/2</td><td>50<w< td=""><td>0!RP</td><td>200&lt;₩</td></w<></td></w<>	1<4	5<¥	2<4	5<\b	110P54	5<1J	144	5/2	50 <w< td=""><td>0!RP</td><td>200&lt;₩</td></w<>	0!RP	200<₩
STATION #3 Humber	River @ B	loor St.											
		22	23	24	25	25	27	29	29	30	31	32	33
# Date and Time	FLOW m3/s	HEPE ng/L	HEPT ns/L	MIRX ng/L	UA\F OCHF	OPDT ng/L	PCBT ns/L	ng/L	PPDE ng/L	PPDT ng/L	245T ng/L	24D ng/L	24DB ns/L
3 04/11/82 01:00	23.35	1<4	1<발	5<¥	2<발	5<¥	0!CS	5KW	1선	5<¥	50<¥	350	200<
5 05/11/82 07:00	37.39 	1 <w< td=""><td>1KW</td><td>5<u< td=""><td>2KW </td><td>5&lt;¥</td><td>20<w< td=""><td>5<w< td=""><td>14₩</td><td>5&lt;₩ </td><td>50&lt;¥ </td><td>100&lt;#</td><td>200<w< td=""></w<></td></w<></td></w<></td></u<></td></w<>	1KW	5 <u< td=""><td>2KW </td><td>5&lt;¥</td><td>20<w< td=""><td>5<w< td=""><td>14₩</td><td>5&lt;₩ </td><td>50&lt;¥ </td><td>100&lt;#</td><td>200<w< td=""></w<></td></w<></td></w<></td></u<>	2KW 	5<¥	20 <w< td=""><td>5<w< td=""><td>14₩</td><td>5&lt;₩ </td><td>50&lt;¥ </td><td>100&lt;#</td><td>200<w< td=""></w<></td></w<></td></w<>	5 <w< td=""><td>14₩</td><td>5&lt;₩ </td><td>50&lt;¥ </td><td>100&lt;#</td><td>200<w< td=""></w<></td></w<>	14₩	5<₩ 	50<¥ 	100<#	200 <w< td=""></w<>
STATION #4 Himico	Creek @ QI											<del>-</del>	
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 0CHL	26 OPDT	27 PCBT	29 PPDD	29 PPBE	30 PEDT	31 245T	32 240	33 24DB
# Date and Time	±3/s	ua/F	ua/F	UR/F	חבאב	ua/F	ns/L	ua\r n	na/L	UA\r	ng/L	na/L	ns/L
	7 70	4 /11	4 /!!	5/.	2/11	5.00	^		4 /11	F //1	50.00	400711	200.01
4 03/11/82 22:20 6 04/11/82 01:30	3.39 5.46	1<발 1<발	149 149	5<¥	2<¥ 2<¥	5<빏 5<빏	0!CS	5KW 5KW	1<¥ 2	5<\ 5<\	50 (¥	100<₩	200<₩ 200<₩

STATION #5 Black C:	reek @ Sc	arlett F	id.										
		22	23	24	25	25	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBI	PPDD	PPDE	PPDT	245T	24B	2408
‡ Date and Time	<b>m</b> 3/s	ns/L	ns/L	n⊴/L	ns/L	ua/F	na/L	ng/L	ris/L	na/L	ns/L	ns/L	ua/F
3 04/11/82 00:50	6.17	1<4	1 <w< td=""><td>5&lt;₩</td><td>244</td><td>5&lt;¥</td><td>0!CS</td><td>5&lt;¥</td><td>1&lt;8</td><td>5&lt;¥</td><td>50&lt;₩</td><td>100&lt;₩</td><td>200KW</td></w<>	5<₩	244	5<¥	0!CS	5<¥	1<8	5<¥	50<₩	100<₩	200KW
5 04/11/82 08:00	5.97	140	1<¥	5 <w< td=""><td>2<u< td=""><td>5&lt;₩</td><td>0!CS</td><td>5<w< td=""><td>1&lt;₩</td><td>5&lt;¥</td><td>50<u< td=""><td>100&lt;</td><td>200&lt;₩</td></u<></td></w<></td></u<></td></w<>	2 <u< td=""><td>5&lt;₩</td><td>0!CS</td><td>5<w< td=""><td>1&lt;₩</td><td>5&lt;¥</td><td>50<u< td=""><td>100&lt;</td><td>200&lt;₩</td></u<></td></w<></td></u<>	5<₩	0!CS	5 <w< td=""><td>1&lt;₩</td><td>5&lt;¥</td><td>50<u< td=""><td>100&lt;</td><td>200&lt;₩</td></u<></td></w<>	1<₩	5<¥	50 <u< td=""><td>100&lt;</td><td>200&lt;₩</td></u<>	100<	200<₩
						-4							
STATION \$6 Humber F	liver @ S												
		22	23	24	25	26	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	24D	2409
‡ Date and Time	<b>2</b> 3/s	ns/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	n⊴/L	ua/L	ns/L	ng/L
3 03/11/82 23:30	21.72	1<1	148	5 <w< td=""><td>248</td><td>5&lt;¥</td><td>0!05</td><td>5&lt;₩</td><td>1&lt;4</td><td>5&lt;₩</td><td>50&lt;¥</td><td>100&lt;9</td><td>200&lt;₩</td></w<>	248	5<¥	0!05	5<₩	1<4	5<₩	50<¥	100<9	200<₩
5 04/11/82 03:00	24.53	1<¥	1KW	5KW	2KW	5 <w< td=""><td>0!CS</td><td>5<w< td=""><td>1KW</td><td>5&lt;¥</td><td>50&lt;₩</td><td>320</td><td>200&lt;₩</td></w<></td></w<>	0!CS	5 <w< td=""><td>1KW</td><td>5&lt;¥</td><td>50&lt;₩</td><td>320</td><td>200&lt;₩</td></w<>	1KW	5<¥	50<₩	320	200<₩
STATION #7 Humber F	River @ L										•.		
	51.011	22	23	24	25	26	27	29	29	30	31	32	33
A Data and Time	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	2408
‡ Date and Time	m3/s	ns/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ns/L	ng/L	 ∪ā/Ľ	ns/L
3 04/11/82 07:50	32.40	1 <w< td=""><td>1&lt;₩</td><td>5&lt;1</td><td>248</td><td>5&lt;₩</td><td>0!05</td><td>5&lt;¥</td><td>1&lt;₩</td><td>5&lt;¥</td><td>50&lt;¥</td><td>340</td><td>200&lt;₩</td></w<>	1<₩	5<1	248	5<₩	0!05	5<¥	1<₩	5<¥	50<¥	340	200<₩
5 04/11/82 20:00	45.81	1<¥	1 <w< td=""><td>5<w< td=""><td>2KW</td><td>5&lt;น</td><td>0105</td><td>5<w< td=""><td>u&gt;1</td><td>5&lt;4</td><td>50KW</td><td>250</td><td>200⊴₩</td></w<></td></w<></td></w<>	5 <w< td=""><td>2KW</td><td>5&lt;น</td><td>0105</td><td>5<w< td=""><td>u&gt;1</td><td>5&lt;4</td><td>50KW</td><td>250</td><td>200⊴₩</td></w<></td></w<>	2KW	5<น	0105	5 <w< td=""><td>u&gt;1</td><td>5&lt;4</td><td>50KW</td><td>250</td><td>200⊴₩</td></w<>	u>1	5<4	50KW	250	200⊴₩
STATION #8 West Hus	ber 0 Ma												
		22	23	24	25	26	27	28	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OFDT	PCBT	PPDD	FFDE	PPDT	245T	240	24DB
# Nate and Time	<b>3</b> 3/s	ns/L	na/L	ns/L	ng/L	ns/L	ns/L	ng/L	ua\r	ng/L	ua\r	บ <b></b> 4\Γ	ng/L
4 04/11/82 04:45	4.39	1<₩	1<4	5<₩	2<1	5<\	20<₩	5<#	1<₩	5୍ୱ	50<₩	680	200<#
7 05/11/82 10:30	11.43	1 <w< td=""><td>1&lt;₩</td><td>5&lt;₩</td><td>2KW</td><td>5&lt;¥</td><td>20&lt;</td><td>5&lt;¥</td><td>1 (1</td><td>5-(4</td><td>50&lt;¥</td><td>220 -</td><td>200&lt;₩</td></w<>	1<₩	5<₩	2KW	5<¥	20<	5<¥	1 (1	5-(4	50<¥	220 -	200<₩
STATION ‡9 Main Hus	ber 0 We												
		22	23	24	25	25	27	28	29	30	31	32	33
4 70-4 7 T'	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCRT	PPDD	PPDE	PPDT	245T	240	24DB
‡ Date and Time	m3/s	ng/L	ns/L	ns/L	ns/L	ua\r_	ng/L	ns/L	ng/L	na/L	n⊴/L	ns/L	nd/L
4 04/11/82 05:00	15.93	1<¥	1<1	5(W	244	5<¥	20 <n< td=""><td>5&lt;ม</td><td>1&lt;₩</td><td>549</td><td>50&lt;น</td><td>220</td><td>2004¥</td></n<>	5<ม	1<₩	549	50<น	220	2004¥
7 05/11/32 02:00	29.47	1<₩	1 < W	5<₩	244	5<¥	20 <w< td=""><td>5&lt;₩</td><td>1<w< td=""><td>5&lt;⊌</td><td>50∢ม</td><td>100<w< td=""><td>200&lt;⊭</td></w<></td></w<></td></w<>	5<₩	1 <w< td=""><td>5&lt;⊌</td><td>50∢ม</td><td>100<w< td=""><td>200&lt;⊭</td></w<></td></w<>	5<⊌	50∢ม	100 <w< td=""><td>200&lt;⊭</td></w<>	200<⊭

▶ Date and Time	FLOW	22 HEPE ng/L	23 HEPT ng/L	24 MIRX ng/L	25 OCHL na/L	26 OPDT ng/L	27 FCBT ng/L	29 PPDD ng/L	29 PPDE ng/L	30 PPDT ns/L	31 245T ns/L	32 24D ng/L	33 24DB ns/L
04/11/82 04:10 5 04/11/82 17:50	12.11 21.25	1<¥ 1<¥	1 <w 1<w< td=""><td>5&lt;¥ 5&lt;¥</td><td>2&lt;₩ 2&lt;₩</td><td>5&lt;₩ 5&lt;₩</td><td>20&lt;₩ 20&lt;₩</td><td>5&lt;¥ 5<v< td=""><td>1<w 1<w< td=""><td>5&lt;4 5<w< td=""><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 100&lt;₩</td><td>200&lt;⊮ 200&lt;⊮</td></w<></td></w<></w </td></v<></td></w<></w 	5<¥ 5<¥	2<₩ 2<₩	5<₩ 5<₩	20<₩ 20<₩	5<¥ 5 <v< td=""><td>1<w 1<w< td=""><td>5&lt;4 5<w< td=""><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 100&lt;₩</td><td>200&lt;⊮ 200&lt;⊮</td></w<></td></w<></w </td></v<>	1 <w 1<w< td=""><td>5&lt;4 5<w< td=""><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 100&lt;₩</td><td>200&lt;⊮ 200&lt;⊮</td></w<></td></w<></w 	5<4 5 <w< td=""><td>50&lt;₩ 50&lt;₩</td><td>100&lt;₩ 100&lt;₩</td><td>200&lt;⊮ 200&lt;⊮</td></w<>	50<₩ 50<₩	100<₩ 100<₩	200<⊮ 200<⊮
	0		A										
CTATION #11 Black C		22	23	24	 25	26	27	29	29	30	31	32	33
ETATION \$11 Black C	FLOW			24 HIRX ns/L	25 OCHL ns/L	26 OPBT ng/L	27 PCBT ns/L	29 PPDD ng/L	29 PPDE na/L	JO PPDT JO	31 245T ns/L	32 24Ø ns/L	33 24DB ns/l
	FLOW	22 HEPE	23 HEPT	HIRX	OCHL	OPDT	PCET	PPDD	PPDE	PPDT	245T	24D	240

STATION \$10 Humber River @ Steeles Ave.

# TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 2 - NOVEMBER 3 TO NOVEMBER 5, 1982

Pesticides and Orsanic Parameters

nolval 1‡ MOITATE	Creek											
		34	35	36	37	38	39	40	41	42	43	44
	FLOW	24DF	DICA	PICL	SILV	HCB	234	2345	2355	245	246	PCPH
Date and Time	ns3/s	ua/F	ng/L	na/L	ns/L	ng/L	ns/L	ng/L	na/L	ng/L	ng/L	na/L
3 03/11/82 18:00	0.40	100<₩	100<₩	100<≌	50<₩	2	100KW	50<대	50KW	50 <w< td=""><td>50&lt;¥</td><td>70</td></w<>	50<¥	70
7 04/11/82 01:00	2.04	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>80</td><td>3</td><td>100<w< td=""><td>50&lt;₩ </td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>80</td><td>3</td><td>100<w< td=""><td>50&lt;₩ </td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<>	100 <w< td=""><td>80</td><td>3</td><td>100<w< td=""><td>50&lt;₩ </td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<>	80	3	100 <w< td=""><td>50&lt;₩ </td><td>50&lt;¥</td><td>50&lt;₩</td><td>50&lt;¥</td><td>50&lt;¥</td></w<>	50<₩ 	50<¥	50<₩	50<¥	50<¥
STATION #2 Don Riv	er @ Fron											
	E1 6''	34	35	36	37	38	39	40 2345	41 235 <i>&amp;</i>	42 245	43 246	44 505H
‡ Date and Time	FLOW m3/s	24DP ng/L	DICA ng/L	PICL ng/L	SILV n⊴/L	HCB ng/L	234 ng/L	1315 ng/L	na/L	145 ng/L	ng/L	ns/L
3 04/11/82 02:00	25.20	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>170</td><td>2</td><td>10049</td><td> 50&lt;₩</td><td>-50K¥</td><td>50&lt;¥</td><td>50KU</td><td>50 (¥</td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>170</td><td>2</td><td>10049</td><td> 50&lt;₩</td><td>-50K¥</td><td>50&lt;¥</td><td>50KU</td><td>50 (¥</td></w<></td></w<>	100 <w< td=""><td>170</td><td>2</td><td>10049</td><td> 50&lt;₩</td><td>-50K¥</td><td>50&lt;¥</td><td>50KU</td><td>50 (¥</td></w<>	170	2	10049	 50<₩	-50K¥	50<¥	50KU	50 (¥
6 04/11/82 02:00		100 <w< td=""><td>100KW</td><td>100&lt;%</td><td>50&lt;¥</td><td>2</td><td>100<n< td=""><td>50&lt;₩</td><td>50<w< td=""><td>50 (M</td><td>50<w< td=""><td>50 (W</td></w<></td></w<></td></n<></td></w<>	100KW	100<%	50<¥	2	100 <n< td=""><td>50&lt;₩</td><td>50<w< td=""><td>50 (M</td><td>50<w< td=""><td>50 (W</td></w<></td></w<></td></n<>	50<₩	50 <w< td=""><td>50 (M</td><td>50<w< td=""><td>50 (W</td></w<></td></w<>	50 (M	50 <w< td=""><td>50 (W</td></w<>	50 (W
STATION #3 Humber	River @ B	31oor St. 34 24DP	35	36	37	38	39	40	41	42	43	44
	LTOM	2407		2179	CHH				7754	745	244	bush
‡ Date and Time	<b>a</b> 3/s	ns/L	DICA ng/L	na/L	SILV ng/L	HCB ng/L	234 ng/L	2345 ng/L	2356 ng/L	245 ng/L	246 ng/L	
	a3/s  23.35	ng/L										PCPH p⊴/L 50<¥
# Date and Time 3 04/11/82 01:00 6 05/11/82 07:00	23.35	ng/L	ng/L	nd/L	ng/L	ng/L	ng/L	ns/L	ng/L	ns/L	ng/L	04/F
 3 04/11/82 01:00	23.35	n⊴/L 100 <w 100<w< td=""><td>n⊴/L 100&lt;¥ 100&lt;¥</td><td>n⊴/L 100<w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>1<w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>04/L 50<w 50<w< td=""></w<></w </td></w<></w </td></w<></w </td></w<></w 	n⊴/L 100<¥ 100<¥	n⊴/L 100 <w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>1<w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>04/L 50<w 50<w< td=""></w<></w </td></w<></w </td></w<></w 	ns/L 50<¥ 70	1 <w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>04/L 50<w 50<w< td=""></w<></w </td></w<></w 	ns/L 100<₩ 100<₩	ns/L 50<₩ 50<₩	ns/L 50⟨W 50⟨W	ns/L 50<₩ 50<₩	ns/L 50⟨₩ 50⟨₩	04/L 50 <w 50<w< td=""></w<></w 
3 04/11/82 01:00 6 05/11/82 07:00	23.35 37.39 Creek @ G	ns/L 100 <w 100<w DEW Offr: 34</w </w 	ns/L 100 <w 100<w< td=""><td>n⊴/L 100<w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>ns/L 1&lt;₩ 1&lt;₩ 38</td><td>n⊴/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50건년 50건년 40</td><td>n⊴/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50<w 50<w< td=""><td>0s/L 50&lt;\ 50&lt;\ 44</td></w<></w </td></w<></w </td></w<></w 	n⊴/L 100 <w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>ns/L 1&lt;₩ 1&lt;₩ 38</td><td>n⊴/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50건년 50건년 40</td><td>n⊴/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50<w 50<w< td=""><td>0s/L 50&lt;\ 50&lt;\ 44</td></w<></w </td></w<></w 	ns/L 50<¥ 70	ns/L 1<₩ 1<₩ 38	n⊴/L 100<₩ 100<₩	ns/L 50건년 50건년 40	n⊴/L 50⟨W 50⟨W	ns/L 50<₩ 50<₩	ns/L 50 <w 50<w< td=""><td>0s/L 50&lt;\ 50&lt;\ 44</td></w<></w 	0s/L 50<\ 50<\ 44
3 04/11/82 01:00 6 05/11/82 07:00	23.35	n⊴/L 100 <w 100<w< td=""><td>n⊴/L 100&lt;¥ 100&lt;¥</td><td>n⊴/L 100<w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>1<w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>09/L</td></w<></w </td></w<></w </td></w<></w 	n⊴/L 100<¥ 100<¥	n⊴/L 100 <w 100<w< td=""><td>ns/L 50&lt;¥ 70</td><td>1<w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>09/L</td></w<></w </td></w<></w 	ns/L 50<¥ 70	1 <w 1<w< td=""><td>ns/L 100&lt;₩ 100&lt;₩</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨W 50⟨W</td><td>ns/L 50&lt;₩ 50&lt;₩</td><td>ns/L 50⟨₩ 50⟨₩</td><td>09/L</td></w<></w 	ns/L 100<₩ 100<₩	ns/L 50<₩ 50<₩	ns/L 50⟨W 50⟨W	ns/L 50<₩ 50<₩	ns/L 50⟨₩ 50⟨₩	09/L
3 04/11/82 01:00 6 05/11/82 07:00 STATION #4 Mimico	23.35 37.39 Creek @ G FLOW #3/s	ns/L 100 <w 100<w DEW Offr: 34 24DP</w </w 	ns/L 100 <w 100<w 35 DICA</w </w 	n⊴/L 100 <w 100<w 36 PICL</w </w 	n⊴/L 50<¥ 70 37 SILV	ns/L 1 <w 1<w 1<w 38 HCB</w </w </w 	n⊴/L 100<₩ 100<₩ 39 234	ns/L 50KW 50KW 40 2345	nd/L 50<₩ 50<₩ 41 2356	ns/L 50<₩ 50<₩ 42 245	ns/L 50⟨W 50⟨₩ 43 246	04/L 50 <j 50<j< td=""></j<></j 

STATION #5 Black C	reek 9 Sc											
	FLOW	34 24DP	35 DICA	36 PICL	37 SILV	38 HC3	39 234	40 2345	41 2356	42 245	43 246	44 PCPH
Date and Time	a3/s	ng/L	ng/L	ng/L	ua/F	ns/L	ns/L	ng/L	ns/L	ng/L	ns/L	ns/L
04/11/82 00:50	5.17	100KW	100<	100KW	50KW	144	100KW	50 <n< td=""><td>50&lt;¥</td><td>50&lt;⊌</td><td>50/W</td><td>530</td></n<>	50<¥	50<⊌	50/W	530
04/11/82 08:00	5.97	100 <w< td=""><td>100&lt;∀</td><td>100&lt;₩</td><td>70</td><td>1&lt;1</td><td>100KW</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50⟨¥</td><td>50&lt;ม</td><td>210</td></w<>	100<∀	100<₩	70	1<1	100KW	50<¥	50<₩	50⟨¥	50<ม	210
TATION ‡6 Humber N	River @ S											
	FLOW	34 24DP	35 DICA	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 245	44 PCPH
Date and Time	n3/s	na/L	ns/L	ng/L	ua/F	ua\r ucs	ua\r -21	ng/L	ua/F	nst/L	ua\r	ng/L
03/11/82 23:30	21.72	100 <w< td=""><td>100<w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>1<w< td=""><td>100<w< td=""><td>50<w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>1<w< td=""><td>100<w< td=""><td>50<w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<></td></w<>	100<₩	50 <w< td=""><td>1<w< td=""><td>100<w< td=""><td>50<w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<></td></w<>	1 <w< td=""><td>100<w< td=""><td>50<w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<></td></w<>	100 <w< td=""><td>50<w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<></td></w<>	50 <w< td=""><td>50⟨₩</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td></w<>	50⟨₩	50<¥	50<¥	50<¥
04/11/82 03:00	24.53	100∜₩	100 <n< td=""><td>100&lt;≌</td><td>50&lt;¥</td><td>1&lt;4</td><td>100&lt;4</td><td> </td><td>50<w< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>100</td></w<></td></n<>	100<≌	50<¥	1<4	100<4	 	50 <w< td=""><td>50&lt;¥</td><td>50&lt;¥</td><td>100</td></w<>	50<¥	50<¥	100
TATION ‡7 Humber	River @ L											
	FLOW	34 240P	35 DICA	36 PICL	37 SILV	38 HCB	39 234	140 2345	41 2356	42 245	43 245	44 PCPH
Date and Time	n3/s	ns/L	na/L	ns/L	ua/F	ng/L	na/L	ns/L	ns/L	ng/L	ns/L	ng/L
04/11/82 07:50	32.40	100 <w< td=""><td>100KW</td><td>100석발</td><td>50&lt;\dagger{y}</td><td>148</td><td>100<w< td=""><td>50&lt;₩</td><td>50KW</td><td>50&lt;¥</td><td>50<h< td=""><td>80</td></h<></td></w<></td></w<>	100KW	100석발	50<\dagger{y}	148	100 <w< td=""><td>50&lt;₩</td><td>50KW</td><td>50&lt;¥</td><td>50<h< td=""><td>80</td></h<></td></w<>	50<₩	50KW	50<¥	50 <h< td=""><td>80</td></h<>	80
5 04/11/82 20:00	45.81 	100KW	100 <w< td=""><td>100<w< td=""><td>50<w< td=""><td>1<w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>50K¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50</td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50<w< td=""><td>1<w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>50K¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50</td></w<></td></w<></td></w<></td></w<>	50 <w< td=""><td>1<w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>50K¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50</td></w<></td></w<></td></w<>	1 <w< td=""><td>100&lt;₩</td><td>50<w< td=""><td>50K¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50</td></w<></td></w<>	100<₩	50 <w< td=""><td>50K¥</td><td>50&lt;¥</td><td>50&lt;₩</td><td>50</td></w<>	50K¥	50<¥	50<₩	50
STATION #8 West Hu	aber 0 Ma	sin Humbe 34	er 35	36	37	38	39	40	41	42	43	44
	FLOW	2409	DICA	PICL	SILV	нсв	234	2345	2354	245	246	P.C.P.H
Nate and Time	<b>2</b> 3/s	n⊴/L	ns/L	ns/L	ng/L	ng/L	na/L	ns/L	ng/L	ua/F	na/L	ng/L
04/11/82 04:45		100<1	120	100<₩	50<¥	1(#	100<밥	50KW	50K¥	50<¥	50∢¥	50 (¥
7 05/11/82 10:30	11.43	100 (W	100 <w< td=""><td>100&lt;₩</td><td>50 (¥</td><td>1&lt;기</td><td>100&lt;¥</td><td>50<w< td=""><td>50/W</td><td>50/W</td><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<></td></w<>	100<₩	50 (¥	1<기	100<¥	50 <w< td=""><td>50/W</td><td>50/W</td><td>50<w< td=""><td>50&lt;¥</td></w<></td></w<>	50/W	50/W	50 <w< td=""><td>50&lt;¥</td></w<>	50<¥
STATION #9 Main Hu	aber 0 We					70	70			40	,-	
	FLOW	34 24DP	35 BICA	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 246	44 PCPH
Pate and Time	23/s	חאַ/ב	ng/L	ng/L	ua\r	ng/L	ua\r	ns/L	ua/r	n⊴/L	ns/L	ns/L
4 04/11/82 05:00	15.93	100<⊌	100 <w< td=""><td>100&lt;₩</td><td>50&lt;¥</td><td>1&lt;₩</td><td>100&lt;¥</td><td>50&lt;¥</td><td>50&lt;¥</td><td>50k#</td><td>50&lt;¥</td><td>90</td></w<>	100<₩	50<¥	1<₩	100<¥	50<¥	50<¥	50k#	50<¥	90
05/11/82 02:00	29.47	100<₩	100<	100 <w< td=""><td>50⊴⊌</td><td>179</td><td>100<w< td=""><td>50<w< td=""><td>50&lt;₩</td><td>50 (¥</td><td>50 4</td><td>50(1</td></w<></td></w<></td></w<>	50⊴⊌	179	100 <w< td=""><td>50<w< td=""><td>50&lt;₩</td><td>50 (¥</td><td>50 4</td><td>50(1</td></w<></td></w<>	50 <w< td=""><td>50&lt;₩</td><td>50 (¥</td><td>50 4</td><td>50(1</td></w<>	50<₩	50 (¥	50 4	50(1

STATION #10 Humber # Pate and Time	FLOW n3/s	34 24DP ng/L	35	36 PICL ng/L	37 SILV na/L	38 HCB ris/L	39 234 ns/L	40 2345 ns/L	41 2356 ns/L	42 245 ng/L	43 246 ns/L	44 PCPH ns/L
3 04/11/82 04:10 5 04/11/82 17:50	12.11 21.25	100<₩ 100<₩	100 <ij 100<ij< td=""><td>100&lt;발 100&lt;발</td><td>50&lt;₩ 50&lt;₩</td><td>14# 14#</td><td>100&lt;₩ 100&lt;₩</td><td>50&lt;₩ 50&lt;₩</td><td>50KW 50KW</td><td>50⊴¥ 50⊴¥</td><td>50 °¥ 50 ⟨¥</td><td>50/W 50/W</td></ij<></ij 	100<발 100<발	50<₩ 50<₩	14# 14#	100<₩ 100<₩	50<₩ 50<₩	50KW 50KW	50⊴¥ 50⊴¥	50 °¥ 50 ⟨¥	50/W 50/W
ETATION #11 Plack	Creek 9 L											
ETATION #11 Black		34	35	36 810	37 STU	30	39 274	40	41	42 245	43 244	44
ETATION #11 Plack  Date and Time	Creek @ L FLOW m3/s			36 PICL ng/L	37 SILV ns/L	38 HCB ns/L	39 234 ns/L	40 2345 na/L	41 2356 ng/L	42 245 ns/L	43 246 na/L	44 PCPH nd/L
	FLOW	34 24DP	35 DICA	PICL	SILV	HCB	234	2345	2358	245	246	PCPH

### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 3 - NOVEMBER 21 TO NOVEMBER 22, 1982

Conventional Water Quality Parameters and Bacteria

STATION #1 Tawlor	Creek				2					
	FLOW	8005	NH4	ρН	Phosphates Filt, react	Phosphorus Unfitotal		Residue Fartic.	Fecal Coliform	Fect! Stres
# Date and Time	<b>5</b> 3/s	as/L O	ms/L N	F11	ms/L P	ms/L F	111/L	#s/L	\$/100a:L	\$/100ml
21/11/82 13:05	1.35	3,34	0.004 <t< td=""><td>7,45</td><td>0.1250</td><td>0.425</td><td>246.</td><td>108.00</td><td>230000</td><td>31000</td></t<>	7,45	0.1250	0.425	246.	108.00	230000	31000
2 21/11/82 13:55	1.50	2.95	0.004(1	7.87	0.0570	0.9257	230.	59.80	13300	7900
3 21/11/82 16:30	0.97	2.52	0.010		0.0570	0.177	248.	57.80	13300	7900 3500
4 21/11/82 18:40	0.50	2.25	0.008 0.004 <t< td=""><td>7.96</td><td>0.03/0</td><td>0.117</td><td>250.</td><td></td><td>7400</td><td>4900</td></t<>	7.96	0.03/0	0.117	250.		7400	4900
5 21/11/82 20:28	0.53	1.53	0.004	7.84	0.0415	0.117	277.	26.60		
6 21/11/82 22:33	0.33	1.50	0.002 <t< td=""><td>7.11</td><td>0.0425</td><td>0.087</td><td>374.</td><td>19.20 10.30</td><td>5700 4300</td><td>4100 3700</td></t<>	7.11	0.0425	0.087	374.	19.20 10.30	5700 4300	4100 3700
		1.50	0.00201	/+11		0.00%		10.00	4300	3/00
Minimum :	0.45	1.53	0.002	7.11	0.0415	0.087	230.	10.50	4300.	3500
Haximum :	1.50	3.34	0.010	7.96	0.1250	0.425	374.	108.00	230000.	31000.
Mean :	0.90	2.35	0.005	7.67	0.0607	0.194	271.	46.85	13970.	6320.
	uar 9 Fro	not St.								
51111201 12 5011 112	701 0 110	,,,,			Phosphates	Phosphorus	Residue	Residue	Fecal	Fecal
	FLOW	BOD5	NH4	РĦ	Filt, react	Unf, total	Filtra.	Partic.	Colifora	Stres
late and Time	m3/s	ms/L O	mg/L N		∎s/L P	ws/L P	as/L	±4.′L	‡/100mL	‡/100ml
1 21/11/82 12:04	13.41	5,88	0.004 <t< td=""><td>7,94</td><td>0.0785</td><td>0.655</td><td>284.</td><td>302.00</td><td>39000</td><td>21000</td></t<>	7,94	0.0785	0.655	284.	302.00	39000	21000
2 21/11/82 14:11	10.91	8.20	0.004 <t< td=""><td>7.35</td><td>0.1250</td><td>0.555</td><td>281.</td><td>217.00</td><td>190000</td><td>32000</td></t<>	7.35	0.1250	0.555	281.	217.00	190000	32000
3 21/11/92 16:50	9.50	5.54	0.010	7.98	0.0715	0.405	257.	209.00	25000	15000
21/11/92 19:10	9.35	5.72	0.006	8.03	0.0630	0.335	243.	149.00	11800	9500
5 21/11/82 23:43	5.95	3.04	0.004 <t< td=""><td>8.18</td><td>0.0690</td><td>0.300</td><td>345.</td><td>141.00</td><td>7900</td><td>4400</td></t<>	8.18	0.0690	0.300	345.	141.00	7900	4400
Minisus:	5.95	3,04	0.004	7.45	0.0480	0.300	243.	141.00	7900.	4400
Maximum :	13,41	3.20	0.010	3.18	0.1250	0.455	345.	302.00	190000.	32000.
Mean :	9.60	5.68	0.006	7.96	0.0824	0.450	202.	203.60	29019.	13333.
										•
STATION ‡3 Humber	River @	Ploor St.								
						Phosphorus		Rosidue	Fecal	Fecs:
	FLOW	BOD5	NH4	РĦ		Unf,total	Filtra.	Partic.	Coliform	Stres
Date and Time	<b>a</b> 3/s	as/L O	as/L N		ms/L P	14/L f	ms/L	o⊴/L	‡/100mL	\$/100mL
1 21/11/82 18:45	9.11	1.94	0.002KT	9.33	0.0250	0.132	305.	40,30	3500	3100
2 22/11/82 02:30	11.10	1.56	0.005	9.40	0.0010<₩	0.149	402.	51.50	1240	1220
3 22/11/82 04:15	13.15	1.74	0.004 <t< td=""><td>9.50</td><td>0.0025KT</td><td>0.165</td><td>447.</td><td>29.90</td><td>1240</td><td>1050</td></t<>	9.50	0.0025KT	0.165	447.	29.90	1240	1050
4 22/11/82 05:00	13.93	2.61	0.005	8.39	0.0020 <t< td=""><td>0.207</td><td>162.</td><td>36.90</td><td>940</td><td>1140</td></t<>	0.207	162.	36.90	940	1140
5 22/11/82 11:30	13.96	2.25	0.006	8.30	0.0050	0.217	469.	127.00	990	1340
2 11,0- 11,00	13.43	1.53	0.00£	9.48	0.0030	0.150	486.	15.40	920	950
5 22/11/82 14:00		1.59	0.004 <t< td=""><td>9.39</td><td>0.0035</td><td>0.172</td><td>272.</td><td>45.30</td><td>900</td><td>1100</td></t<>	9.39	0.0035	0.172	272.	45.30	900	1100
	12.52	1.0/								
5 22/11/92 14:00	12.52 11.70	1.59	0.016	8.45	0.0160	0.107	491.	59.90	1100	1180
3 22/11/82 14:00 2 22/11/82 16:00				8.45  8.30	0.0160  0.0010	0.107  0.107	491.  272.	59.90  15.40	1100  300.	
3 22/11/82 14:00 22/11/82 16:00 3 22/11/82 19:30	11.70	1.59	0.016							1180  950. 3100.

Nate and Time	FLOW	80D5 m≤/L 0	NH4 mg/L N	ρН	Phosphates Filt, react m3/L P	Phosphorus Unfitotal mg/L P		Residue Partic. ms/L	Fecal Coliform :/100mL	Fecal Stres \$/100mL
21/11/92 11:30	3.86	4.10	0.006	9.01	0.0645	0.320	327.	145.00	3400	7900
2 21/11/82 13:05	5.15	5.29	0.006	8.03	0.0545	0.385	286.	131.00	9100	7600
21/11/82 14:00	5.77	2,54	0.016	7.56	0.0465	0.240	374.	95.50	3900	£100
4 21/11/82 15:00	4.19	2.34	0.006	7.93	0.0460	0.255	274.	86.70	2700	5900
5 21/11/82 18:15	3.39	3.02	0.008	7.92	0.0505	0.227	249.	90.10	2500	5300
Minimum :	3.39	2.34	0.006	7.66	0.0450	0.227	249.	86.70	2500.	5900
Maximum :	5.77	5.28	0.016	9.03	0.0555	0.385	374.	145.00	8100.	7900
Mean :	4.47	3.46	0.008	7.91	0.0528	0.297	302.	113.66	3762.	5711.
ETATION #5 Black	 Creek @ 9	carlett Rd								
					Phosphates	Phosphorus	Residue	Residue	Fecal	Feco
	FLOW	BOD5	NH4	ρН	Filt,react	Unf, total	Filtra.	Partie.	Coliform	Stre
Date and Time	<b>m</b> 3/s	ms/L O	ma/L N		as/L P	ms/L P	⊠s/L	as/L	\$/100mL	1/100m
21/11/82 11:45	2.51	3.62	0.004 <t< td=""><td>8.02</td><td>0.0390</td><td>0.200</td><td>291.</td><td>76.90</td><td>£500</td><td>5900</td></t<>	8.02	0.0390	0.200	291.	76.90	£500	5900
2 21/11/82 12:45	3.14	5.04	0.008	7.80	0.1550	0.417	303.	93.40	190000	57000
3 21/11/92 13:45	3.76	4.32	0.006	7.82	0.1050	0.357	271.	70.30	75000	36000
1 21/11/82 14:45	3.46	3.64	0.006	8.00	0.0355	0.197	228.	75.40	7300	5900
5 21/11/82 15:45	2.42	3.20	0.014	2.00	0.0350	0.162	243.	47.90	5200	5700
21/11/82 17:45	2.36	3.08	0.004 <t< td=""><td>7.90</td><td>0.0500</td><td>0.127</td><td>282.</td><td>35.90</td><td>3700</td><td>7700</td></t<>	7.90	0.0500	0.127	282.	35.90	3700	7700
Minimum :	2.36	3.08	0.004	7.80	0.0350	0.127	229.	34.90	3700,	5900
Maximum :	3.76	6.04	0.014	8.02	0.1550	0.417	303.	96.40	190000.	57000
Kean :	2.94	3.98	0.007	7,92	0.0701	0.242	270.	67.28	15336.	13105
STATION ‡& Humber	River @	Scarlett R	 d.							
						Phosphorus		Residue	Fecal	Fecs:
₽ate and Time	FLOW m3/s	2005 mg/L 0	NH4 Mg/L N	РΗ	Filtireact	Unfitotal mg/L P	hiltra.	fortic.	Coliform #/100mL	Stre:
21/11/82 16:15	9.27	2.06	0.006	8.10	0.0200	0.112	309.	56.00	1300 -	
2 22/11/82 02:20	16.23	1.75	0.010	8.37	0.0065	0.172	457.	144.00	500	990
3 22/11/92 03:45	15.89	1.81	0.008	8.40	0.0110	0.172	440.	133.00	740	780
22/11/92 05:30	15.31	1.48	0.004 <t< td=""><td>8.49</td><td>0.0050</td><td>0.225</td><td>491.</td><td>141.00</td><td>400</td><td>580</td></t<>	8.49	0.0050	0.225	491.	141.00	400	580
5 22/11/82 07:30	16.31	1.68	0.006	8.43	0.0090	0.190	427.	140.00	1360	1580
5 22/11/82 11:00	15.31	1.74	0.005	8.48	0.0030	0.137	425.	115.00	540	1020
7 22/11/82 13:30	16.31	1.21	0.004 <t< td=""><td>8.49</td><td>0.0150</td><td>0.143</td><td>423.</td><td>125.00</td><td>1090</td><td>1300</td></t<>	8.49	0.0150	0.143	423.	125.00	1090	1300
3 22/11/82 20:15	13.83	1.16	0.006	8,45	0.0110	0.145	403.	134.00	980	1160
Minimum :	9.27	1.15	0.004	8.10	0.0030	0.112	309.	56.00	400.	590
Maximum :	15.31	2.06 1.61	0.010 0.00£	8.49 3.40	0.0200 0.0102	0.225 0.161	491. 422.	144.00 123.63	1360. 907.	2020 1102
Mean :	15.06									

STATION ‡7 Humber	River 0	Lawrence A								
	FLOW	BOD5	<b>Н</b> 4	ρΗ	Filt, react		Filtro.	Residue Partic.	Facal Coliform	Fecal Strep
# Date and Time	<b>2</b> 3/5	უ⊴/L 0	±s/L N		≱s/L P	as/L P	ag/L	as/L	‡/100 <u>s</u> L	5./100mL
1 21/11/82 15:30	9.41	1.25	0.004 (T	9.34	0.0205	0.112	324.	36.70	1140	1550
2 22/11/82 01:30	13.65	2.12	0.002	3.39	0.0110	0.153	404.	92,20	790	840
3 22/11/82 05:15	17.25	1.66	0.008	9.27	0.0150	0.197	424.	149.00	320	1100
4 22/11/82 07:00	17.71	1.45	0.005	3.35	0.0010 T	0.197	447.	105.00	1740	1700
5 22/11/92 09:00	17.71	1.41	0.006	9,30	0.0120	0.145	435.	120,00	350	960
£ 22/11/82 10:30	14.29	1.58	0.005	3.29	0.0120	0.150	413.	124.00	750	1240
7 22/11/82 15:15	15.45	1.19	0.006	9.40	0.0070	0.127	431.	109,00	1140	1340
8 22/11/92 20:15	14.14	1.11	0.010	9.36	0.0270	0.127	140.	53.40	1320	1420
Hiniaua :	9.41	1.11	0,004	8.27	0.0010	0.112	325.	35.70	360,	350.
haxiaum :	17.71	2.12	0.010	9.40	0.0270	0.137	447.	149.00	1740.	1700.
Mean :	15.15	1.49	0.007	3.34	0.0132	0.150	419.	100.04	279.	1235.
STATION #8 West He	umber 0 M	ain Humber								
						Phosphorus		Residue	Facal	Fecs!
	FLOW	BODS	NH4	۶H		Unf∙total		Partio.		Stres
# Date and Time	a3/s	ms/L O	55/L H		as/Lf	as/L P	as/L	ng (L	\$/100mL	\$1100mL
1 21/11/92 20:48	1.44	1.24	0.004(T	8.44	0.0215	0.085	349.	36,20	520	1450
2 22/11/82 03:30	4.97	1.22	0.008	9.21	0.0220	0.130	467.	24.50	320	420
3 22/11/82 05:45	5.17	1.07	0.006	9.38	0.0145	0.105	505.	99.50	220	320
4 22/11/82 08:15	4.97	1.14	0.010	2.23	0.0200	0.107	541.	79.50	720	320
5 22/11/82 10:30	4.57	0.75	0.005	9.44	0.0390	0.117	525.	94.20	1940	1420
å 22/11/82 12:30	4.48	1.20	0.005	8.20	0.0335	0.110	558.	49.30	1390	340
7 22/11/82 15:22	4.03	1.24	0.004(T	9.29	0.0460	0.110	524.	59.00	1200	2520
9 22/11/82 19:30	3.38	1.15	0.004/IT	3.46	0.0050	0.107	511.	83.99	1490	2440
Miniaua:	1.44	0.75	0.004	8.20	0.0050	0.025	348.	34.20	220.	320.
Махіпив :	5.17	1.24	0.010	9.45	0.0460	0.130	558.	°4.50	1940.	2520.
Mean :	4.14	1.13	0.006	9.33	0.0253	0.109	493.	76.90	924.	1029.
STATION #9 Main H	umber 9 t	Jest Humber								
					Phosphates	fhosphorus	Residue	Residue	Facal	Facal
	FLOW	8005	NH4	cH	Filt, react	Unf, total	Filtra.	Partic.	Solifora	Stree
‡ Date and Time	a3/s	ms/L 0	25/L N		as/L P	as/L F	a⊴/L	as/L	‡/100mL	1/100mL
1 21/11/82 12:05	4.13	1.12	0.006	9,48	0.0155	0.075	385.	56.50	540	1240
2 21/11/82 12:30	4.51	1.42	0.014	9.47	0.0245	0.117	344.	59.80	2100	1790
3 21/11/82 20:53	5.02	1.74	0.004 T	8.49	0.0250	0.177	342.	154.00	520	1500
4 22/11/82 05:45	8.15	0.41	0.002/T	3.44	0.0099	0.123	435.	113.00	120 '=	1100
5 22/11/82 10:30	7.94	1.53	0.006	9.52	0.0700	0.150	445.	134.00	1380	1960
6 22/11/82 12:30	7.72	1.79	0.008	9.35	0.0840	0.143	415.	114.00	1200	2520
7 22/11/82 15:38	7.12	2.41	0.006	9.50	0.0120	0.117	415.	105.00	700	1020
3 22/11/82 19:30	5.45	1.59	0.002KT	8.51	0.0095	0.100	401.	27.50	:720	:130
	4.13	0.61	0.002	3.35	0.0090	0.075	344.	54,50	120.	1020.
Maximum :	8.15	2.41	0.014	9.52	0.0840	0.177	445.	154.00	2100.	2520.
Hean :	5.52	1.54	0.005	8.47	0.0313	0.125	400.	102.09	712.	1483.

Bate and Time	FLOW m3/s	Steeles A BODS ms/L O	NH4 23/L N	Не	Phosphates Filt, react ms/L P			Residue Partic. ad/L	Fecal Colifors #'100mL	Facil Stres 7/100mL
21/11/82 11:10	3.73	1.56	0.004:T	9.27	0.0250	0.137	340.	?5.E0	1020	1340
21/11/82 13:16	4.31	0.92	0.026	9.47	0.0135	0.073	350.	54.30	550	920
21/11/82 20:13	7.01	1.00	0.002KT	8.42	0.0205	0.132	324.	109.00	580	950
22/11/82 02:00	8,26	2.20	0.006	8.42	0.0100	0.127	401.	122,00	840	1320
22/11/82 04:30	8.18	2.02	1.040	9.48	0.0390	0.232	421.	197.00	1940	2600
22/11/82 11:30	7.82	2,00	0.010	8.45	0.0120	0.143	434.	110.00	540	797
22/11/82 14:15	7.47	1.78	0.010	8.28	0.0225	0.102	435.	48.40	720	940
22/11/92 20:15	4.79	1.33	0.014	9.48	0.0570	0.093	495.	75.90	540	700
Minimum :	3.73	0.82	0.002	8,27	0.0100	0.073	350,	48.40	540.	700
Haximum :	8.25	2.20	1.040	8.48	0.0570	0.232	496.	187.00	1040.	3600
Mean :	6.70	1.59	0.139	8.41	0.0251	0.130	410.	100.30	720.	1372
	Creek @ FLOW p3/s	Lawrence A  ROD5  ms/L 0	ve. NH4 m⊴/L N	 PH		Phosmhorus Unfitotal	Filtra.		Fecsl Coliforo ‡/100mL	Facol Stree
Date and Time	FLOW	BOD5	NH4	eH 	Filt, react	Unf, total	Filtra.	estic.	Coliforn	Stre
Date and Time 21/11/92 11:50	FLOW m3/s	BOD5 m≤/L O	NH4 mg/L N		Filt,react mg/L F	Unf,total ms/L F	Filtra. ms/L	estic. as/L	Coliforn #/100mL	Str∈ t./100ml
Date and Time 21/11/92 11:50 21/11/92 13:00	FLOW m3/s	BOD5 mg/L 0 2.60	NH4 mg/L N 	7.87	Filt, react mg/L P 0.0350	Unf,total ms/L F	Filtra. ms/L 260.	°artic. as/L 24.20	Coliforn #/100mL Enco	Str∈ t./100ml
Date and Time 21/11/92 11:50 21/11/92 13:00 21/11/92 14:00	FLOW m3/s 1.39	BOD5 m≤/L 0 2.60 2.48	NH4 mg/L N 0.002 <t 0.005</t 	7.87 8.13	Filt, react mg/L F 0.0350 0.0300	Unf,total m≤/L F 0.202 0.153	Filtra. ms/L 260. 239.	Partic. RE/L 34.20 57.30	Coliforn #/100mL Enco 4800	Stra t./100m 7700 5900
Date and Time 21/11/92 11:50 21/11/92 13:00 21/11/92 14:00 21/11/92 15:00	FLOW m3/s 1.39 1.76 2.00	ROD5 ms/L 0 2.60 2.48 2.38	NH4 mg/L N 0.002 <t 0.005 0.008</t 	7.87 8.13 7.95	Filt, react ms/L F 0.0350 0.0300 0.0320	Unf.total ms/L F 0.202 0.153 0.143	Filtra. ms/L 260. 239. 224.	Partic. RE/L 94.20 57.30 67.50	Coliforn #/100mL FD00 4800 3300	2tre 1/100ml 7700 5900 6300
Date and Time 21/11/92 11:50 21/11/92 13:00 21/11/92 14:00 21/11/92 15:00	FLOW m3/s  1.39  1.76  2.00  1.39	BOD5 m≤/L 0 2.60 2.48 2.38 1.76	NH4 mg/L N 0.002 <t 0.005 0.008 0.002<t< td=""><td>7.87 8.13 7.95 7.75</td><td>Filt, react ma/L P 0.0350 0.0300 0.0320 0.0460</td><td>Unf,total ms/L f 0.202 0.153 0.143 0.125</td><td>Filtra. ms/L 260. 239. 224. 238.</td><td>Partic. RE/L 24.20 57.30 67.50 49.60</td><td>Coliforn #/100mL = 5000 A800 A800 A500</td><td>2tr= t./100ml 7700 5900 £300 6100</td></t<></t 	7.87 8.13 7.95 7.75	Filt, react ma/L P 0.0350 0.0300 0.0320 0.0460	Unf,total ms/L f 0.202 0.153 0.143 0.125	Filtra. ms/L 260. 239. 224. 238.	Partic. RE/L 24.20 57.30 67.50 49.60	Coliforn #/100mL = 5000 A800 A800 A500	2tr= t./100ml 7700 5900 £300 6100
Date and Time  21/11/92 11:50 21/11/92 13:00 21/11/92 13:00 21/11/92 15:00 21/11/92 16:00  Minimum : Maximum :	FLOW m3/s  1.39  1.76  2.00  1.39  1.17	ROD5 ms/L 0 2.60 2.48 2.38 1.76 1.52	NH4 ms/L N 0.002 <t 0.006 0.008 0.002<t 0.004<t< td=""><td>7.87 8.13 7.95 7.75 8.08</td><td>Filt, react ms/L P  0.0350 0.0300 0.0320 0.0460 0.0390</td><td>Unf, total ms/L f 0.202 0.153 0.143 0.195 0.140</td><td>Filtra. ms/L  260. 239. 224. 238. 239.</td><td>°srtic. x≤/L 24.20 £7.30 £7.50 £9.60 51.90</td><td>Coliforn #/100mL Engo 4800 3300 4500 4700</td><td>2tr≡ t/100ml 7700 5900 ±300 5100 5500</td></t<></t </t 	7.87 8.13 7.95 7.75 8.08	Filt, react ms/L P  0.0350 0.0300 0.0320 0.0460 0.0390	Unf, total ms/L f 0.202 0.153 0.143 0.195 0.140	Filtra. ms/L  260. 239. 224. 238. 239.	°srtic. x≤/L 24.20 £7.30 £7.50 £9.60 51.90	Coliforn #/100mL Engo 4800 3300 4500 4700	2tr≡ t/100ml 7700 5900 ±300 5100 5500

### TORONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 3 - MOVEMBER 21 TO MOVEMBER 22, 1982

Inordanic Parameters (Metals)

TATION \$1 Taylor	Creek							
# Date and Time	FLOW m3/s	Cadaiu⊡ m⊴/L Cd	Chromium ms/L Cr	Copper ad/L Cu	ma\r Ha Welchia	Nickel ps/L Ni	Lead mg/L Pb	Zinc ms/L Zr
1 21/11/82 13:05 3 21/11/82 16:30	1.35 0.97	0.0002 0.0006	0.009	0.035 0.202	0.030UIC 0.0404	0.00£ 0.003	0.050 0.043	0.130 0.080
Міпіоч⊕ : Maxioum : Mean :	0.46 1.50 0.90	0.0002 0.0006 0.0004	0.005 0.009 0.007	0.035 0.202 0.119	0.040 0.080 0.060	0.003 0.004 0.005	0.043 0.060 0.052	0.080 0.130 0.105
STATION #2 Bon Riv	ver @ Fro	nt St.						
‡ Date and Time	FLOW	Cadelum mg/L Cd	Chromium md/L Cr	Copper m≤/L Cu	na/r Ha	Nickel ms/L Ni	Lead m≤/L ?b	Zinc as/L Z
1 21/11/82 12:04 3 21/11/82 16:50	13.41 9.50	0.0010	0.010	0.034 0.027	0.100UCS 0.090UCS	0.003	0.100 0.055	0.140
Minimum : Maximum : Mean :	5.95 13.41 9.60	0.0004 0.0010 0.0007	0.010 0.013 0.012	0.027 0.034 0.031	0.090 0.100 0.095	0.008 0.003	0.055 0.100 0.078	0.120 0.140 0.130
STATION #3 Humber	River 0	Bloor St.						
# Date and Time	FLOW m3/s	Cadeiun mg/L Cd	chromium auteord auteord	na V. Cu	Heroury us/L Hs	Nickel ms/L Ni	Lead mg/L Pb	7:50 as/L 1
2 22/11/82 02:30 4 22/11/82 06:00 7 22/11/82 15:00	11.10 13.83 12.52	0.0002 0.0002 0.0002	0.009 0.007 0.006	0.015 0.019 0.019	0.040 / 0.040 - 0.040 /	0.004 0.004 0.003	0.014 0.014 0.013	0.033 0.040 0.029
Minimum : Maximum : Mean	9.11 13.96 12.35	0.0002 0.0002 0.0002	0.005 0.009 0.007	0.015 0.019 0.019	0.040 0.040 0.040	0.003 0.004 0.004	0.013 0.014 0.015	0.029 0.040 0.034

STATION #4 Mimico	Creek 8	QEW Offram	۶					
‡ Date and Time	FLOW a3/s	Cadmium mg/L Cd	Chromium ms/L Cr	Copper ms/L Cu	navr Hz Hercora	Nickel mg/L Ni	Lead Mas/L Pb	Zinc ms/L In
1 21/11/82 11:30 4 21/11/82 15:00	3.36 4.19	0.0020< 0.0006	0.020 0.027	0.030 0.01°	0.040 0.040	0.010° 0.004	0.030 0.035	0.140 0.110
Mini <b>aum :</b> Maxi <b>a</b> um : Mean :	3.39 5.77 4.47	0.0006 0.0020 0.0013	0.020 0.027 0.024	0.019 0.030 0.024	0.040 0.040 0.040	0.004 0.010 0.007	0.030 0.035 0.032	0.110 0.140 0.125
STATION #5 Black	Creek @ S	carlett Rd						
‡ Date and Time	FLOW m3/s		øa√r Cι Cµιo⊕ino			Nickel ms/L Ni		Zinc ms/L In
3 21/11/82 13:45 5 21/11/82 15:45	3.76 2.42	0.0009	0.007 0.007	0.025	0.050 0.040	0.008 0.008	0.085 0.070	0.086 0.064
Minimum : Maximum : Mean :	2.36 3.76 2.94	0.0007 0.0009 0.0008	0.007 0.007 0.007	0.028 0.028 0.028	0.040 0.050 0.045	800.0 800.0 800.0	0.065 0.070 0.068	0.089 0.094 0.091
STATION #6 Humber	River @	 Scarlett R	 d•					
‡ Date and Time	FLOW m3/s	Cadmium mg/l Cd	auleond)		nz/F Hz	Nickel ms/L Ni		Zine is/L Zn
2 22/11/82 02:20 4 22/11/82 05:30 6 22/11/82 11:00	16.23 16.31 16.31	0.0003 0.0003 0.0002	0.009 0.008 0.004	0.020 0.020 0.018	0.0401 0.0401 0.0401	0.004 0.004 0.003	0.012 0.014 0.012	0.037 0.034 0.022
Minimum : Maximum : Mean :	9.27 16.31 15.06	0.0002 0.0003 0.0003	0.005 0.009 0.008	0.013 0.020 0.019	0.040 0.040 0.040	0.993 0.004 0.004	0.012 0.014 0.013	0.022 0.037 0.031
STATION #7 Humber	River 0	 Lawrence A	ve.					
‡ Date and Time	FLOW m3/s	Cadmium md/L Cd	Chromium					Zina ps/L Zn
2 22/11/82 01:30 3 22/11/82 05:15 6 22/11/82 10:30	13.66 17.26 16.39	0.0002 0.0002 0.0004	0.007 0.006 0.005	0.018 0.017 0.020	0.040< 0.040< 0.040<	0.003 0.004 0.036	0.012 0.011 0.010	0.030 0.030 0.022
Minimum : Maximum : Mean :	9.41 17.71 15.15	0.0002 0.0004 0.0003	0.006 0.007 0.005	0.017 0.020 0.019	0.040 0.040 0.040	0.003 0.035 0.014	0.010 0.012 0.011	9.022 0.030 0.027

TATION #8 West Hu	moer a u							
Date and Time	FLOW m3/s	Cadaium as/L Cd	Chromium ms/L Cr	Copper ad/L Cu	na\r Ha yelonta	Nickel as/L Ni		Zinc mg/L Zi
22/11/82 03:30	4.97	0.0003	0 -005	0.015	0.040-0	0.0014	0.010	0.017
22/11/82 12:30	4 • 48	0.0002	0.004	0.015	0.0401	0.0014	0.005	0.011
22/11/82 15:22	4.03	0.0002	0.004	0.015	0.040<	0.0010	0.008	0.009
Minipup :	1.44	0.0002	0.004	0.015	0.040	0.001	0.005	0.009
Maxinum :	5.17	0.0003	0.005	0.015	0.040	0.001	0.010	0.017
Mean :	4.14	0.0002	0.004	0.015	0.040	0.001	0.008	0.012
TATION ‡9 Main Hu	mber @ Y	lest Humber						
	FLOW	Cadaiua	Chromium	Copper	geichia	Mickel	Lasc	Zinc
Date and Time	m3/s	ma∖r Cq	∎s/L Cr	∎s/L Cu	us/L Hs	me/L Ni	ms/L Pb	55/L Z
21/11/82 12:30	4.51	0.0002	0.010	0.015	0.040%	0.003	0.012	0.041
22/11/82 12:30	7.72	0.0004	0.007	0.013	0.040<	0.001(	0.005	0.014
22/11/82 15:38	7.12	0.0002	0.005	0.130	0.040	0.0017	0.005	0.010
Minimum :	4.13	0.0002	0.005	0.013	0.040	0.001	0.005	0.010
							A A43	0.041
Haxiouo:	8.15	0.0004	0.010	0.130	0.040	0.003	0.012	V.V
řiean :	6.52	0.0003	0.007	0.130 0.053	0.040	0.003	0.008	
	6.52	0.0003	0.007				0.008	0.022 Zinc
Mean : TATION ‡10 Humber	5.52 River @	0.0003  Steeles A	0.007	0.053 Coxper	0.040	0.002 Nickel	0.008 Lead	0.022 Zinc as/L Z
Mean : TATION #10 Humber	6.52 River @ FLOW #3/s	0.0003  Steeles A  Cadmium md/L Cd	0.007  ve,  Chromium ms/L Cr	0.053 Coxper mg/L Cu	0.040 Mercury	0.002 Nickal	0.008 Lead Bs/L Pb	Zinc as/L Z
TATION #10 Humber  Date and Time	6.52 River @ FLOW m3/s	0.0003  Steeles A  Cadmium md/L Cd  0.0006	0.007  Ve,  Chromium ms/L Cr	0.053 Copper ms/L Cu	0.040 Mercury US/L Hs	0.002 Nickel ws/L Ni 0.002	0.008 Lead Bs/L Pb	0.022 Zinc ms/L Z 0.013
TATION \$10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00	5.52 River @ FLOW a3/5 4.31 8.25	0.0003  Steeles A  Cadmium md/L Cd  0.0006 0.0002	0.007  O.007  Chromium ms/L Cr  0.004 0.004	0.053 Copper ms/L Cu 0.017 0.013	0.040 Mercury US/L Hs 0.0404 0.0404	0.002 Nickel ms/L Ni 0.002 0.001	0.008 Lead Bs/L Pb 0.012 0.006	0.022 Zinc 45/L Z 0.013 0.013
TATION \$10 Humber  Date and Time  21/11/82 13:16 22/11/92 02:00 22/11/92 14:15	\$.52 River @ FLOW a3/s 4.31 8.25 7.47	0.0003  Steeles A  Cadmium m2/L Cd  0.0006 0.0002 0.0002	0.007  Chromium ms/L Cr  0.004 0.004 0.004	0.053 Copper ms/L Cu 0.017 0.013 0.011	0.040 Mercury US/L Hs 0.0404 0.0404 0.0405	0.002 Nickel mg/L Ni 0.002 0.001	0.008 Lead BE/L Pb 0.012 0.004 0.005	0.022 Zinc as/L Z 0.015 0.013 0.013
TATION \$10 Humber  Date and Time  21/11/82 13:16 22/11/92 02:00 22/11/92 14:15 22/11/82 20:15	6.52 River @ FLOW a3/s 4.31 8.26 7.47 6.79	0.0003  Steeles A  Cadmium m2/L Cd  0.0006 0.0002 0.0002 0.0003	0.007  Chromium ms/L Cr  0.004 0.004 0.004 0.003	0.053 Copper ms/L Cu 0.017 0.013 0.011 0.013	0.040 Mercury US/L Hs 0.040 0.040 0.040	0.002 Nickel mg/L Ni 0.002 0.001 0.001	0.008 Lead BE/L Pb 0.012 0.005 0.005	0.022 Zinc as/L Z 0.013 0.013 0.013
TATION #10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00 22/11/82 20:15  Hinimum:	\$.52 FLOW #3/3 4.31 8.25 7.47 6.79	0.0003  Steeles A  Cadmium mc/L Cd  0.0006 0.0002 0.0002 0.0003	0.007  Ve.  Chromium ms/L Cr  0.004 0.004 0.004 0.003	0.053 Copper ms/L Cu 0.017 0.013 0.011 0.013	0.040 Mercury us/L Hs 0.040 0.040 0.040 0.040	0.002 Nickel mg/L Ni 0.002 0.001 0.001 0.002	0.008 Lead Bs/L Pb 0.012 0.004 0.003	0.022 Zinc us/L Z 0.015 0.013 0.013 0.013
TATION \$10 Humber  Date and Time  21/11/92 13:16 22/11/92 02:00 22/11/82 14:15 22/11/82 20:15  Hinimum : Hean :	FLOW a3/s 4.31 8.26 7.47 6.79 3.73 8.25 6.70	0.0003  Steeles A  Cadmium md/L Cd  0.0006 0.0002 0.0003  0.0003	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004	0.053 Copper ms/L Cu 0.017 0.013 0.011 0.013 0.011 0.017	0.040 Mercury us/L Hs 0.040/ 0.040/ 0.040/ 0.040/ 0.040/	0.002 Nickel ms/L Ni 0.002 0.001 0.001 0.002 0.001	0.008  Lead Bs/L Pb  0.012 0.006 0.006 0.003	0.022 Zinc us/L Z 0.015 0.013 0.013 0.013
TATION #10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00 22/11/82 20:15  Minimum: Maximum:	FLOW a3/s 4.31 8.26 7.47 6.79 3.73 8.25 6.70	0.0003  Steeles A  Cadmium md/L Cd  0.0006 0.0002 0.0003  0.0003	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004	0.053 Copper ms/L Cu 0.017 0.013 0.011 0.013 0.011 0.017	0.040 Mercury us/L Hs 0.040/ 0.040/ 0.040/ 0.040/ 0.040/	0.002 Nickel ms/L Ni 0.002 0.001 0.001 0.002 0.001	0.008  Lead Bs/L Pb  0.012 0.006 0.006 0.003	0.022 Zinc us/L Z 0.015 0.013 0.013 0.013
TATION \$10 Humber  Date and Time  21/11/92 13:16 22/11/92 02:00 22/11/82 14:15 22/11/82 20:15  Hinimum : Hean :	FLOW a3/s 4.31 8.26 7.47 6.79 3.73 8.25 6.70	0.0003  Steeles A  Cadmium m2/L Cd  0.0006 0.0002 0.0003  0.0002 0.0006 0.0003  Lawrence A	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004	0.053 Copper ms/L Cu 0.017 0.013 0.011 0.013 0.011 0.017	0.040 Mercury US/L Hs 0.040 0.040 0.040 0.040 0.040	0.002 Nickel ws/L Ni 0.002 0.001 0.002 0.001 0.002 0.002 Nickel	0.008  Lead Bs/L Pb  0.012 0.006 0.006 0.003	0.000 Zinc ms/L Z 0.013 0.013 0.013 0.015 C.015
TATION #10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00 22/11/82 20:15  Minimum: Maximum: Mean:  TATION #11 Black  Date and Time	FLOW a3/3 4.31 8.26 7.47 6.79 3.73 8.25 6.70  Creek @ FLOW a3/5 1.39	0.0003  Steeles A  Cadmium mz/L Cd  0.0006 0.0002 0.0003  0.0002 0.0006 0.0003  Lawrence A  Cadmium md/L Cd  0.0005	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004 0.004	0.053  Copper ms/L Cu  0.017 0.013 0.011 0.013  0.011 0.017 0.014  Copper ms/L Cu  0.018	Mercury US/L Hs  0.040/ 0.040/ 0.040/ 0.040/ 0.040/ 0.040  Mercury US/L Hs	Nickel ws/L Ni 0.002 0.001 0.002 0.001 0.002 0.002 0.002 Nickel ws/L Ni 0.008	0.008  Lead BS/L Pb  0.012 0.006 0.003 0.003 0.007	2inc ws/L 2 0.015 0.013 0.013 0.015 0.015 2inc ws/L 2
TATION #10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00 22/11/82 14:15 22/11/82 20:15  Minimum :	\$.52 FLOW #3/5 4.31 8.25 7.47 6.79 3.73 8.25 6.70 Creek @ FLOW #3/5	0.0003  Steeles A  Cadmium m2/L Cd  0.0006 0.0002 0.0003  0.0002 0.0006 0.0003  Lawrence A  Cadmium m2/L Cd	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004	0.053  Copper ms/L Cu  0.017 0.013 0.011 0.013  0.011 0.017 0.014	0.040  Mercury US/L Hs  0.040 0.040 0.040 0.040 0.040  6.040 0.040	0.002 Nickel mg/L Ni 0.002 0.001 0.002 0.001 0.002 0.002 Nickel mg/L Ni	0.008  Lead ps/L Pb  0.012 0.006 0.003  0.003 0.012 0.007	2inc ws/L 2 0.015 0.013 0.013 0.015 0.015 2inc ws/L 2
TATION #10 Humber  Date and Time  21/11/82 13:16 22/11/82 02:00 22/11/82 20:15  Minimum: Maximum: Mean:  TATION #11 Black  Date and Time	FLOW a3/3 4.31 8.26 7.47 6.79 3.73 8.25 6.70  Creek @ FLOW a3/5 1.39	0.0003  Steeles A  Cadmium mz/L Cd  0.0006 0.0002 0.0003  0.0002 0.0006 0.0003  Lawrence A  Cadmium md/L Cd  0.0005	0.007  Chromium ms/L Cr  0.004 0.004 0.003 0.003 0.004 0.004 0.004	0.053  Copper ms/L Cu  0.017 0.013 0.011 0.013  0.011 0.017 0.014  Copper ms/L Cu  0.018	Mercury US/L Hs  0.040/ 0.040/ 0.040/ 0.040/ 0.040/ 0.040  Mercury US/L Hs	Nickel ws/L Ni 0.002 0.001 0.002 0.001 0.002 0.002 0.002 Nickel ws/L Ni 0.008	0.008  Lead BS/L Pb  0.012 0.006 0.003 0.003 0.007	2inc ms/L 2 0.013 0.013 0.013 0.013 0.015 0.015 0.015 0.015
TATION \$10 Humber  Date and Time  21/11/92 13:16 22/11/92 02:00 22/11/82 20:15  Hinimum: Hean: Mean: TATION \$11 Black  Date and Time  21/11/92 11:50	**S2 **River **  **FLOW	0.0003  Steeles A  Cadmium md/L Cd  0.0006 0.0002 0.0003  0.0002 0.0003  Lawrence A  Cadmium md/L Cd  0.0005 0.0005	0.007    Ve,   Chromium   ms/L Cr   0.004   0.003   0.004   0.004   0.004   0.004   0.004   0.004   0.004   0.004   0.004   0.004   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.005   0.	0.053  Copper ms/L Cu  0.017 0.013 0.011 0.013 0.014  Copper ms/L Cu  0.018 0.019	Mercury US/L Hs  0.040   0.040   0.040   0.040   0.040   0.040   0.040   0.050   0.040	Nickel ms/L Ni 0.002 0.001 0.002 0.001 0.002 0.002 0.002 Nickel ms/L Ni 0.008 0.003	0.008  Lead BE/L Pb  0.012 0.006 0.003 0.012 0.007	0.022 Zinc ws/L Z 0.015 0.013 0.017 0.013 0.017 0.015

## TORONTO AREA WATERSHED HANAGEMENT STUDY WATER QUALITY DATA WET EVENT 3 - NOVEMBER 21 TO NOVEMBER 22, 1982

Pesticides and Orsanic Parameters

STATION #1 Taylor C	reek												
	E1 011	10	11	12	13	14	15	15	17	19	10	20	21
# Date and Time	FLOW m3/s	ALDR ng/L	BHCA n⊴/L	BHCB ns/L	BHCG ns/L	CHLA ng/L	n⊴/L n⊴/L	DISL ng/L	DMDT ng/L	END1 ng/L	ENDO ng/L	ENDR nd /L	EMDC ng/L
5 21/11/82 20;28	0.53	1 <w< th=""><th>12</th><th>7</th><th>15</th><th>5</th><th>5</th><th>2KW</th><th>5 °V</th><th>244</th><th>4.77</th><th>4 %</th><th>1 · U</th></w<>	12	7	15	5	5	2KW	5 °V	244	4.77	4 %	1 · U
STATION #2 Don Rive		 + S+.											
31111200 12 DOIN 11112		10	11	12	13	14	15	16	17	19	19	20	21
‡ Date and Time	FLOW m3/s	ALDR ng/L	BHCA ris/L	BHCB ns/L	BHCG ns/L	CHLA	CHLG ns/L	ua\r DIEF	DMDT ne/L	END1 na/L	END2 ng/L	ENDR nd/L	2909 2909
4 21/11/82 19:10	8.35	1∢¥	12	5	8	5	2<₩	2 (₩	5/4	274	4 W	441	4.11
 STATION ‡3 Humber R													
2 1900m F2 HUDDER K	iver e s.	100r St.	11	12	13	14	15	15	17	18	19	20	21
# Date and Time	FLOW n3/s	ALDR ns/L	BHCA ng/L	BHCB ns/L	BHCG ng/L	CHLA ns/L	CHLG ns/L	DIEL ng/L	DMDT ng/L	END1 ns/L	ENDO ns/L	ENDR ne/L	ENDS ns/L
2 22/11/82 02:30 7 22/11/82 16:00	11.10 12.52	1KW 1KW	6 4	1<₩ 1<₩	7 1<₩	2<₩ 2<₩	2<₩ 2<₩	2<₩ 2<₩	5<ม 5<ม	2 (U 2 (U	4숙발 4년발	4 (발 4 (발	4 (발 4 (발
					•								
STATION #4 Mimico C	reek @ Ol	W Offra	ap										
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	15 DIEL	17 דמאת	18 END1	19 EMD2	20 Endr	21
# Date and Time	13/s	ua/F	กร/L	ns/L	ns/L	ns/L	ns/L	กร/L	กร/L	ns/L	HE/L	ERUR ERUR	ENDS ns/L
1 21/11/82 11:30	3.86	1 <w< td=""><td>10</td><td>4</td><td>4</td><td>4</td><td>3</td><td>2/1</td><td>5 (W</td><td>วะม</td><td>4 °¥</td><td>4 1</td><td>402</td></w<>	10	4	4	4	3	2/1	5 (W	วะม	4 °¥	4 1	402
4 21/11/92 15:00	4.19	14W	18 	12	19	24W	2<₩ 	2	544 	2 (₩	4 (W	4 (4)	4 < U
	eet B Sc		<del></del>										
5111.15tt 15 115tt 51		10	11	12	13	14	15	15	17	18	19	20	21
‡ Date and Time	FLOW m3/s	ALDR ng/L	na/r	BHCB ns/L	BHCG ns/L	CXLA ns/L	CHLG ns/L	DIEL ng/L	DMDT ns/L	END1 ns/L	END2 ns/L	ENDR ng/L	SMM3 ns/L

STATION #6 Humber #	River 0 S												
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	15 DIEL	17 DHDT	18 END1	19 ENDO	20 Endr	21 ENDS
‡ Date and Time	#3/s	ua/r	ns/L	nd/L	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	a≠/L	na/L
2 22/11/82 02:20	16.23	1 <v< td=""><td>4</td><td>1<u< td=""><td>1 f W</td><td>2 %</td><td>2 14</td><td>2 (V</td><td>. 5<m< td=""><td>2/W</td><td>4 <b>⟨</b>₩</td><td>4/11</td><td>4 TU</td></m<></td></u<></td></v<>	4	1 <u< td=""><td>1 f W</td><td>2 %</td><td>2 14</td><td>2 (V</td><td>. 5<m< td=""><td>2/W</td><td>4 <b>⟨</b>₩</td><td>4/11</td><td>4 TU</td></m<></td></u<>	1 f W	2 %	2 14	2 (V	. 5 <m< td=""><td>2/W</td><td>4 <b>⟨</b>₩</td><td>4/11</td><td>4 TU</td></m<>	2/W	4 <b>⟨</b> ₩	4/11	4 TU
6 22/11/82 11:00	15.31	1:09	3	1 (₩	7	2<₩	2:3	2 <u< td=""><td>5 (W</td><td>24#</td><td>4 (1)</td><td>4&lt;2</td><td>472</td></u<>	5 (W	24#	4 (1)	4<2	472
												·	
STATION #7 Humber 8	River 0 L	awrence 10	Ave. 11	12	13	14	15	15	17	18	10	20	21
	FLOW	ALDR	BHCA	BHCB	BHCG	CHLA	CHLG	DIEL	DADT	END1	ENTO	ENDR	ENDS
# Date and Time	a3/s	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	ns/L	r.s./L
2 22/11/82 01:30 5 22/11/32 10:30	13.66	1<¥ 1 (¥	4 3	14# 14#	? 9	2 <u 2<u< td=""><td>2 (W 2 (W</td><td>2KN 2KN</td><td>5&lt;\ 3&lt;\</td><td>2/U 2/U</td><td>4 1일 4 1일</td><td>47¥ 47¥</td><td>4 19 4 19</td></u<></u 	2 (W 2 (W	2KN 2KN	5<\ 3<\	2/U 2/U	4 1일 4 1일	47¥ 47¥	4 19 4 19
5 12711762 10450	10+07	1.#		114		27.8	21.9	_ \W	7.4	- ·#	7.4	7 (# 	- »
STATION #8 West Hug	ber 0 Ma												
	FLOW	10 ALDR	11 BHCA	12 BHCB	13 BHCG	14 CHLA	15 CHLG	16 DIEL	17 DMDT	19 END1	19 ENDO	20 ENDR	21 ENDS
‡ Date and Time	n3/s	ng/L	ns/L	ng/L	ris/L	ng/L	ris/L	ns/L	na/L	5,5/1	55./1	ns/L	na "L
2 22/11/82 03:30	4.97	1<#	3	1<1/	5	2<\!\!	214	2 (1)	514	2.19	4스및	4 "11	4 14
6 22/11/82 12:30	4.48	1 (W	3	1-14	3	24W	2 <w </w 	2KW 	5 (W	2_14	4 °W	4 (1)	4성
STATION #9 Main Hum	ber @ We	st Humbe	·r										
		10	11	12	13	14	15	15	17	19	19	20	21
1 B. 1 T.	FLOW	ALDR	BHCA	BHCF	BHCG	CHLA	CHLG	DIEL	DMDT	END1	END2	ENDR	ENDS
# Date and Time	a3/s	ng/L	ng/L	ns/L	n3/L	ns/L	n≰/L	ns/L		ng/L	ns/L	15/L	ns/L
2 21/11/82 12:30 5 22/11/82 12:30	4.61 7.72	1 (U 1 (U	7 2	4 1≺¥	3 4	27W 27W	2 (U 2 (U	2 2/1	57일 51일	24W 24W	4 1U 4 1U	4 ° U 4 ° U	4 12 4 12
STATION #10 Humber	River 0												
	<b>6</b> 0	10	11	12	13	14	15	15	17	18	10	20	21
‡ Date and Time	FLOW m3/s	ALDR ne/L	BHCA ns/L	BHCB ng/L	BHCG ns/L	CHLA ng/L	CHLG ng/L	DIEL ns/L	DMDT ns/L	END1 ns/L	END2 na/L	ENDR na/L	ENDS ns/L
2 21/11/82 13:16	4.31	1 <w< td=""><td>3</td><td>144</td><td><u>2</u></td><td>2&lt;# 2&lt;#</td><td>2/¥</td><td>24¥</td><td>5 (y</td><td>2/0</td><td>4 Z U</td><td>4<w< td=""><td>4(1)</td></w<></td></w<>	3	144	<u>2</u>	2<# 2<#	2/¥	24¥	5 (y	2/0	4 Z U	4 <w< td=""><td>4(1)</td></w<>	4(1)
4 22/11/92 02:00	8.25	1<4	3	148	5	2 (1	2 (V	2 (1	5/12	2/W	4 12	471	4 4

STATION #11 Black (	Creek @ L.	swrence	Ave.										
\$ Date and Time	FLOW m3/s	10 ALDR ng/L	11 9HCA ng/L	12 BHCB ns/L	13 BHCG ns/L	14 CHLA ns/L	15 CHLG ns/L	16 DIEL ng/L	17 DHDT ne/L	18 END1 ng/L	19 END2 ns/L	20 ENDR ns/L	21 ENDS na./L
1 21/11/82 11:50 4 21/11/82 15:00	1.39 1.39	1 <w 1<w< td=""><td>10 12</td><td>4</td><td>15 10</td><td>3 2&lt;¥</td><td>5 2:น</td><td>2 W 2 W</td><td>5&lt;น 5&lt;น</td><td>2 (M 2 (M</td><td>4 W 4 W</td><td>4 11 4 11</td><td>4 1일 4 1일</td></w<></w 	10 12	4	15 10	3 2<¥	5 2:น	2 W 2 W	5<น 5<น	2 (M 2 (M	4 W 4 W	4 11 4 11	4 1일 4 1일

## TDRONTO AREA WATERSHED MANAGEMENT STUDY WATER QUALITY DATA WET EVENT 3 - NOVEMBER 21 TO NOVEMBER 22, 1992

Pesticides and Ordanic Parameters

STATION #1 Taylor C	reek	00	07	24	25	27	27	20	20	7.0	7.	70	
	FLOW	22 HEPE	23 HEPT	24 MIRX	25 OCHL	25 OPDT	27 PCBT	29 29 <b>D</b> D	29 990E	30 PF:DT	31 245T	32 241	33 2409
# Nate and Time	s:3/s	ng/L	ns/L	ris/L	ns/L	ns/L	ris/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L
5 21/11/82 20:28	0.53	14₩	1<4	5<¥	2<9	5<\u	0!UI	541	1<9	5/11	504¥	0!UI	2004#
STATION #2 Don Rive	er @ Fron	t St.	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	XAIR	OCHL	OPDT	PCRT	PPDD	P'F'DE	PPDT	245T	240	2400
# Date and Time	m3/s	ne/L	ng/L	n⊴/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L	ns/L
4 21/11/82 19:10	9.35	1 <w< td=""><td>1()</td><td>5&lt;¥</td><td>2<w< td=""><td>5&lt;¥</td><td>OluI</td><td>5/14</td><td>1(1)</td><td>5/11</td><td>50 /W</td><td>6.01</td><td>200&lt;₩</td></w<></td></w<>	1()	5<¥	2 <w< td=""><td>5&lt;¥</td><td>OluI</td><td>5/14</td><td>1(1)</td><td>5/11</td><td>50 /W</td><td>6.01</td><td>200&lt;₩</td></w<>	5<¥	OluI	5/14	1(1)	5/11	50 /W	6.01	200<₩
STATION #3 Humber R	lver @ B	loor St. 22	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD	FPDE	PPDT	245T	32 240	24DE
‡ Date and Time	m3/s	ns/L	ns/L	ns/L	ua/F	ns/L	ns/L	ns/L	ns/L	na/L	ns/L	ns/L	ns/L
2 22/11/82 02:30	11.10	1<8	1 <w< td=""><td>5<w< td=""><td>2<w< td=""><td>5<n< td=""><td>40P54</td><td>5&lt;¥</td><td>1 (¥</td><td>5&lt;¥</td><td>50&lt;₩</td><td>330</td><td>200&lt;<b>U</b></td></n<></td></w<></td></w<></td></w<>	5 <w< td=""><td>2<w< td=""><td>5<n< td=""><td>40P54</td><td>5&lt;¥</td><td>1 (¥</td><td>5&lt;¥</td><td>50&lt;₩</td><td>330</td><td>200&lt;<b>U</b></td></n<></td></w<></td></w<>	2 <w< td=""><td>5<n< td=""><td>40P54</td><td>5&lt;¥</td><td>1 (¥</td><td>5&lt;¥</td><td>50&lt;₩</td><td>330</td><td>200&lt;<b>U</b></td></n<></td></w<>	5 <n< td=""><td>40P54</td><td>5&lt;¥</td><td>1 (¥</td><td>5&lt;¥</td><td>50&lt;₩</td><td>330</td><td>200&lt;<b>U</b></td></n<>	40P54	5<¥	1 (¥	5<¥	50<₩	330	200< <b>U</b>
7 22/11/82 16:00	12.52	· 1 <w< td=""><td>1&lt;¥</td><td>5&lt;₩ </td><td>2<w< td=""><td>5&lt;₩ </td><td>20<w< td=""><td>5:1⊌</td><td>1 (W</td><td>5<w< td=""><td>50&lt;1</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<></td></w<></td></w<></td></w<>	1<¥	5<₩ 	2 <w< td=""><td>5&lt;₩ </td><td>20<w< td=""><td>5:1⊌</td><td>1 (W</td><td>5<w< td=""><td>50&lt;1</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<></td></w<></td></w<>	5<₩ 	20 <w< td=""><td>5:1⊌</td><td>1 (W</td><td>5<w< td=""><td>50&lt;1</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<></td></w<>	5:1⊌	1 (W	5 <w< td=""><td>50&lt;1</td><td>100<w< td=""><td>200<u< td=""></u<></td></w<></td></w<>	50<1	100 <w< td=""><td>200<u< td=""></u<></td></w<>	200 <u< td=""></u<>
	Specific Of Co												
SIRITUR #4 NIBICO (	леек е ш	22	23	24	25	26	27	29	25	30	71	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OFDT	PCBT	PPDD	3039	FFDT	245T	240	2408
# Date and Time	<b>m</b> 3/s	ng/L	ng/L	na/L	ng/L	ns/L	na/L	ns/L	ria/L	ns/L	5⊈/L	ng/L	ns/L
1 21/11/82 11:30	3.86	1 (1)	144	5(¥	2(4	5/U	O'UI	54¥	149	5/¥	50K¥	01UI	2000#
4 21/11/82 15:00	4.19	1 <w< td=""><td>1&lt;¥</td><td>5<w< td=""><td>2 KW</td><td>5⊴⊌</td><td>0!UI</td><td>5&lt;¥ </td><td>1 (¥</td><td>5:(1</td><td>50KW</td><td>OiUI</td><td>290 (ม</td></w<></td></w<>	1<¥	5 <w< td=""><td>2 KW</td><td>5⊴⊌</td><td>0!UI</td><td>5&lt;¥ </td><td>1 (¥</td><td>5:(1</td><td>50KW</td><td>OiUI</td><td>290 (ม</td></w<>	2 KW	5⊴⊌	0!UI	5<¥ 	1 (¥	5:(1	50KW	OiUI	290 (ม
STATION #5 Black Co	reek @ Sc	arlett F 22	₹d• 23	24	25	25	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	2408
‡ Date and Time	m3/5	ns/L	ng/L	ns/L	ng/L	ns/L	ua\r . es.	ns/L	ne/L	ns/L	กร/L	ns./L	ns/L
3 21/11/82 13:45	3.76	1<₩	1<4	5<4	2<빛	5KW	0!UI	5/4	149	5/4	50KW	0101	200/4
5 21/11/82 15:45	2.42	1<₩	1<₩	5 (W	249	5 <w< td=""><td>0101</td><td>5<w< td=""><td>1 (1)</td><td>5:1¥</td><td>501</td><td>0.61</td><td>200&lt;1</td></w<></td></w<>	0101	5 <w< td=""><td>1 (1)</td><td>5:1¥</td><td>501</td><td>0.61</td><td>200&lt;1</td></w<>	1 (1)	5:1¥	501	0.61	200<1

STATION #6 Humber R	iver @ Sc	carlett	Rd∙										
		22	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD	PPDE	55D1	2457	240	2405
‡ Date and Time	m3/s	ua/F	ns/L	ns/L	ns/L	ns/L	ng/L	ns/L	ng/L	ns/L	ns/L	ns/L	ns/L
2 22/11/82 02:20	16.23	1<¥	1<발	SKM	2 <w< td=""><td>5&lt;¥</td><td>20<w< td=""><td>5&lt;¥</td><td>149</td><td>5&lt;¥</td><td>50:W</td><td>330</td><td>200 1</td></w<></td></w<>	5<¥	20 <w< td=""><td>5&lt;¥</td><td>149</td><td>5&lt;¥</td><td>50:W</td><td>330</td><td>200 1</td></w<>	5<¥	149	5<¥	50:W	330	200 1
6 22/11/82 11:00	16.31	1<₩	1 <w< td=""><td>5<w< td=""><td>2&lt;¥</td><td>5<w< td=""><td>20&lt;#</td><td>5&lt;ม</td><td>1<w< td=""><td>5&lt;11</td><td>50 (M</td><td>100KU</td><td>200-1</td></w<></td></w<></td></w<></td></w<>	5 <w< td=""><td>2&lt;¥</td><td>5<w< td=""><td>20&lt;#</td><td>5&lt;ม</td><td>1<w< td=""><td>5&lt;11</td><td>50 (M</td><td>100KU</td><td>200-1</td></w<></td></w<></td></w<>	2<¥	5 <w< td=""><td>20&lt;#</td><td>5&lt;ม</td><td>1<w< td=""><td>5&lt;11</td><td>50 (M</td><td>100KU</td><td>200-1</td></w<></td></w<>	20<#	5<ม	1 <w< td=""><td>5&lt;11</td><td>50 (M</td><td>100KU</td><td>200-1</td></w<>	5<11	50 (M	100KU	200-1
STATION \$7 Humber R	liver @ La												
	_	22	23	24	25	25	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	24DB
# Date and Time	<b>a</b> 3/s	ng/L	ns/L	ng/L	ns/L	ng/L	ng/L	ns/L	ns/L	ns/L	n⊴/L		na/L
2 22/11/82 01:30	13.66	1<₩	1<₩	5<¥	2<₩	5<₩	20<¥	5<น	149	5 <w< td=""><td>50&lt;¥</td><td>280</td><td>200/1</td></w<>	50<¥	280	200/1
6 22/11/82 10:30	16.99	1<9	1 <w< td=""><td>5KW</td><td>2<u< td=""><td>5<w< td=""><td>40254</td><td>5:0V</td><td>1/W</td><td>5 (1)</td><td>50ୁଧ</td><td>100 (U</td><td>200/1</td></w<></td></u<></td></w<>	5KW	2 <u< td=""><td>5<w< td=""><td>40254</td><td>5:0V</td><td>1/W</td><td>5 (1)</td><td>50ୁଧ</td><td>100 (U</td><td>200/1</td></w<></td></u<>	5 <w< td=""><td>40254</td><td>5:0V</td><td>1/W</td><td>5 (1)</td><td>50ୁଧ</td><td>100 (U</td><td>200/1</td></w<>	40254	5:0V	1/W	5 (1)	50ୁଧ	100 (U	200/1
STATION #8 West Hue	aber @ Ha:					·····				٠			<b>-</b>
		22	23	24	25	25	27	29	29	30 ppnt	31	32 240	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPDT	PCBT	PPDD 55/L	PPDE	PPDT ed/1	245T	24B	2409
# Date and Time	a3/s	nd/L	ns/L	ng/L	ng/L	ng/L	ns/L	ns/L	ns/L	ng/L	ng/L	ns/L 	ns/L
2 22/11/82 03:30	4.97	1<₩	1 <w< td=""><td>5&lt;4</td><td>244</td><td>5&lt;#</td><td>20&lt;넓</td><td>5/4</td><td>144</td><td>5-(9</td><td>50KW</td><td>10041</td><td>200&lt;</td></w<>	5<4	244	5<#	20<넓	5/4	144	5-(9	50KW	10041	200<
6 22/11/82 12:30	4.48	1 <w< td=""><td>1<w< td=""><td>SKW</td><td>2 (₩</td><td>5<w< td=""><td>20 (W</td><td>5KW</td><td>1 (W</td><td>5<u< td=""><td>50&lt;¥</td><td>100&lt;4</td><td>200 (1</td></u<></td></w<></td></w<></td></w<>	1 <w< td=""><td>SKW</td><td>2 (₩</td><td>5<w< td=""><td>20 (W</td><td>5KW</td><td>1 (W</td><td>5<u< td=""><td>50&lt;¥</td><td>100&lt;4</td><td>200 (1</td></u<></td></w<></td></w<>	SKW	2 (₩	5 <w< td=""><td>20 (W</td><td>5KW</td><td>1 (W</td><td>5<u< td=""><td>50&lt;¥</td><td>100&lt;4</td><td>200 (1</td></u<></td></w<>	20 (W	5KW	1 (W	5 <u< td=""><td>50&lt;¥</td><td>100&lt;4</td><td>200 (1</td></u<>	50<¥	100<4	200 (1
													,,
STATION #9 Main Hum	aber @ We												
		22	23	24	25	26	27	29	29	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDT	PCBT	PPDD	PPDE	PPDT	245T	240	2408
‡ Date and Time	<u>m</u> 3/s	ns/L	ng/L	ng/L	ng/L	ns/L	ns/L	ng/L	ns/L	ns/L	ns/L	na/L	ns/L
2 21/11/82 12:30	4.61	1 <w< td=""><td>1<w< td=""><td>5<w< td=""><td>2&lt;₩</td><td>5&lt;₩</td><td>0!UI</td><td>5&lt;¥</td><td>1 (1</td><td>5-(14</td><td>50-14</td><td>1004W</td><td>200&lt;</td></w<></td></w<></td></w<>	1 <w< td=""><td>5<w< td=""><td>2&lt;₩</td><td>5&lt;₩</td><td>0!UI</td><td>5&lt;¥</td><td>1 (1</td><td>5-(14</td><td>50-14</td><td>1004W</td><td>200&lt;</td></w<></td></w<>	5 <w< td=""><td>2&lt;₩</td><td>5&lt;₩</td><td>0!UI</td><td>5&lt;¥</td><td>1 (1</td><td>5-(14</td><td>50-14</td><td>1004W</td><td>200&lt;</td></w<>	2<₩	5<₩	0!UI	5<¥	1 (1	5-(14	50-14	1004W	200<
6 22/11/82 12:30	7.72	1 <w< td=""><td>1&lt;₩</td><td>5&lt;₩</td><td>2&lt;₩</td><td>5⁄เม</td><td>20&lt;₩</td><td>544</td><td>100</td><td>5 (1)</td><td>50~W</td><td>100 (1</td><td>200 €</td></w<>	1<₩	5<₩	2<₩	5⁄เม	20<₩	544	100	5 (1)	50~W	100 (1	200 €
STATION \$10 Humber	River @									74	7,	70	
		22	23	24	25	25 007/T	27	29	29	30 cont	31 2457	32 240	33
	FLOW	HEPE	HEPT	MIRX	OCHL	OPIT	PCBT	PPDD	PPDE	PPDT	245T	240	2409
# Date and Time	n3/s	ng/L	ns/L	ns/L	ns/L	ns/L	ng/L	ng/L	ng/L 	ng/L	na/L	ns/L	ns/L
2 21/11/82 13:16	4.31	1 <w< td=""><td>1<w< td=""><td>5&lt;¥</td><td>2 ( 🖫</td><td>10</td><td>20KW</td><td>5&lt;₩</td><td>1-19</td><td>25</td><td>50&lt;4</td><td>0!UI</td><td>200&lt;</td></w<></td></w<>	1 <w< td=""><td>5&lt;¥</td><td>2 ( 🖫</td><td>10</td><td>20KW</td><td>5&lt;₩</td><td>1-19</td><td>25</td><td>50&lt;4</td><td>0!UI</td><td>200&lt;</td></w<>	5<¥	2 ( 🖫	10	20KW	5<₩	1-19	25	50<4	0!UI	200<
4 22/11/82 02:00	8.26	1 <w< td=""><td>1 &lt; W</td><td>5<w< td=""><td>2&lt;¥</td><td>5<w< td=""><td>20&lt;₩</td><td>5<u< td=""><td>1 (1)</td><td>5<w< td=""><td>50&lt;4</td><td>100 1</td><td>2004</td></w<></td></u<></td></w<></td></w<></td></w<>	1 < W	5 <w< td=""><td>2&lt;¥</td><td>5<w< td=""><td>20&lt;₩</td><td>5<u< td=""><td>1 (1)</td><td>5<w< td=""><td>50&lt;4</td><td>100 1</td><td>2004</td></w<></td></u<></td></w<></td></w<>	2<¥	5 <w< td=""><td>20&lt;₩</td><td>5<u< td=""><td>1 (1)</td><td>5<w< td=""><td>50&lt;4</td><td>100 1</td><td>2004</td></w<></td></u<></td></w<>	20<₩	5 <u< td=""><td>1 (1)</td><td>5<w< td=""><td>50&lt;4</td><td>100 1</td><td>2004</td></w<></td></u<>	1 (1)	5 <w< td=""><td>50&lt;4</td><td>100 1</td><td>2004</td></w<>	50<4	100 1	2004

STATION #11 Black C	reek @ L.	esurence	Ave.										
		22	23	24	25	25	27	28	20	30	31	32	33
	FLOW	HEPE	HEPT	HIRX	OCHL	OPDIT	PCPT	PF'DD	5039	EEDI	245T	240	2409
# Date and Time	<b>a</b> 3/s	ng/L	ns/L	nd/L	ns/L	ns/L	ns/L	ng/L	r.s/L	ns/L	ns/L	nš/L	ns/L
1 21/11/82 11:50	1.39	1<4	1.7	5<#	2/4	5<¥	30P54	5(1)	2	5 (₩	50/4	0:UI	2007#
4 21/11/82 15:00	1.39	1 <w< td=""><td>1 (W</td><td>5:(W</td><td>244</td><td>5 (1)</td><td>0:01</td><td>5.14</td><td>2</td><td>5.1W</td><td>50 (W</td><td>0101</td><td>200 :#</td></w<>	1 (W	5:(W	244	5 (1)	0:01	5.14	2	5.1W	50 (W	0101	200 :#

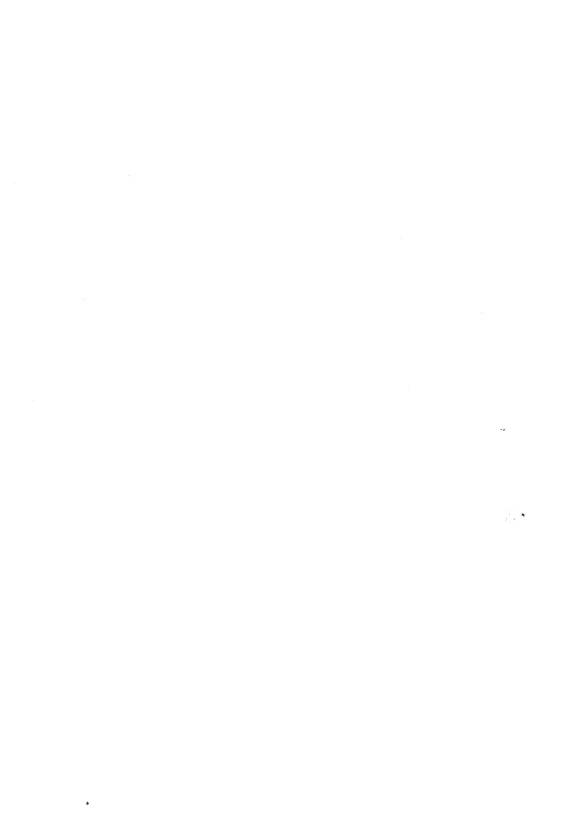
## TORONTO AREA WATERSHED HANAGEMENT STUDY WATER QUALITY DATA WET EVENT 3 - NOVEMBER 21 TO NOVEMBER 22, 1982

Pesticides and Orsanic Parameters

STATION #1 Taylor C	Creek	7.4	75	7,	77	70	70	40	44	40		
	FLOW	34 24DP	35 DICA	35 PICL	37 SILV	38 HCB	39 234	40 2345	41 2356	42 245	43 246	44 PCPH
# Date and Time	<b>a</b> 3/s	ua\r	ns/L	ns/L	ns/L	ns/L	ris/L	ns/L	ns/L	ns/L	ua/F	ns/L
5 21/11/82 20:28	0.53	100<₩	100<	100 <w< td=""><td>50&lt;¥</td><td>2</td><td>100/W</td><td>50 (<b>U</b></td><td>50&lt;¥</td><td>50/4</td><td>50-W</td><td>50KW</td></w<>	50<¥	2	100/W	50 ( <b>U</b>	50<¥	50/4	50-W	50KW
										•		
STATION #2 Don Rive	r @ Fror											
	F: 011	34	35	36	37	38	39	40 2345	41	42 245	43 246	44 9099
≱ Date and Time	FLOW m3/s	24DP ng/L	DICA n⊴/L	PICL n⊴/L	SILV ng/L	HCP ng/L	234 na/L	2345 ng/L	235 <i>6</i> ng/L	245 ng/L	ಚ+ತ ಗಿತ/ಓ	ns/L
4 21/11/82 19:10	8.35	100 <w< td=""><td>100<w< td=""><td>100<w< td=""><td>50<w< td=""><td>2</td><td>100KW</td><td> 50<w< td=""><td>50KW</td><td> 50&lt;¥</td><td>50 W</td><td>50 (4</td></w<></td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100<w< td=""><td>50<w< td=""><td>2</td><td>100KW</td><td> 50<w< td=""><td>50KW</td><td> 50&lt;¥</td><td>50 W</td><td>50 (4</td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50<w< td=""><td>2</td><td>100KW</td><td> 50<w< td=""><td>50KW</td><td> 50&lt;¥</td><td>50 W</td><td>50 (4</td></w<></td></w<></td></w<>	50 <w< td=""><td>2</td><td>100KW</td><td> 50<w< td=""><td>50KW</td><td> 50&lt;¥</td><td>50 W</td><td>50 (4</td></w<></td></w<>	2	100KW	 50 <w< td=""><td>50KW</td><td> 50&lt;¥</td><td>50 W</td><td>50 (4</td></w<>	50KW	 50<¥	50 W	50 (4
STATION ‡3 Humber R	liver @ E	loor St	35	36	37	39	39	40	41	42	43	44
	FLOW	24DF	DICA	FICL	SILV	HCB	234	2345	2356	245	245	₽C₽H
t Date and Time	m3/s	ns/L	ns/L	ns/L	ns/L	ng/L	ua/F	ng/L	ns/L	ua/F	ns/L	ns/L
2 22/11/82 02:30	11.10	100<⊌	100 <w< td=""><td>100<w< td=""><td>50</td><td>1&lt;9</td><td>100<w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>504W</td><td>50 (¥</td><td>5041</td></w<></td></w<></td></w<></td></w<>	100 <w< td=""><td>50</td><td>1&lt;9</td><td>100<w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>504W</td><td>50 (¥</td><td>5041</td></w<></td></w<></td></w<>	50	1<9	100 <w< td=""><td>50<w< td=""><td>50&lt;¥</td><td>504W</td><td>50 (¥</td><td>5041</td></w<></td></w<>	50 <w< td=""><td>50&lt;¥</td><td>504W</td><td>50 (¥</td><td>5041</td></w<>	50<¥	504W	50 (¥	5041
7 22/11/82 16:00 	12.52	100 <w< td=""><td>100&lt;₩</td><td>100 €3</td><td>50&lt;¥</td><td>1&lt;₩</td><td>ONOD</td><td>DNO</td><td>0040</td><td>00HOD</td><td>0000 </td><td><b>доко</b> </td></w<>	100<₩	100 €3	50<¥	1<₩	ONOD	DNO	0040	00HOD	0000 	<b>доко</b> 
STATION #4 Mimico C	Creek @ G	EW Offr 34	3 <b>B</b> P 35	36	37	38	39	40	41	42	43	44
	FLOW	34 2409	BICA	PICL	SILV	HCB	234	90 2345	41 2358	92 245	245 .	POPH
‡ Date and Time	n3/s	ng/L	ns/L	ng/L	ns/L	ns/L	ria/L	ns/L	ng/L	ns/L	กร/ไ	ns/L
1 21/11/82 11:30	3.86	100KW	100<ఓ	100<₩	504W	3	100-1W	50K¥	50K¥	50·¼	50-19	95
4 21/11/82 15:00	4.19	100<⊌	100 <w< td=""><td>100<w< td=""><td>50-(W</td><td>2</td><td>100&lt;4</td><td>50 ୍ಚ</td><td>50:1W </td><td>50 °W</td><td>50&lt;¥</td><td>50 (U</td></w<></td></w<>	100 <w< td=""><td>50-(W</td><td>2</td><td>100&lt;4</td><td>50 ୍ಚ</td><td>50:1W </td><td>50 °W</td><td>50&lt;¥</td><td>50 (U</td></w<>	50-(W	2	100<4	50 ୍ಚ	50:1W 	50 °W	50<¥	50 (U
STATION #5 Black Cr	eek @ Sc	arlett : 34	Rd. 35	36	37	38	39	40	41	42	43	44
	FLOW	24DF	DICA	PICL	SILV	нсв	234	2345	2353	245	246	₽C₽H
# Date and Time	n/3/s	ns/L	ns/L	ns/L	ns/L	ng/L	nd/L	ns/L	ns/L	ns/L	ng /L	กร/L
3 21/11/82 13:45	3.76	100 <w< td=""><td>100&lt;₩</td><td>100&lt;</td><td>50<w< td=""><td>3</td><td>100&lt;₩</td><td>50&lt;¥</td><td>50<w< td=""><td>50/W</td><td>504¥</td><td>50&lt;%</td></w<></td></w<></td></w<>	100<₩	100<	50 <w< td=""><td>3</td><td>100&lt;₩</td><td>50&lt;¥</td><td>50<w< td=""><td>50/W</td><td>504¥</td><td>50&lt;%</td></w<></td></w<>	3	100<₩	50<¥	50 <w< td=""><td>50/W</td><td>504¥</td><td>50&lt;%</td></w<>	50/W	504¥	50<%
5 21/11/82 15:45	2,42	100<₩	100<₩	100<	50 <u< td=""><td>1 (W</td><td>100/19</td><td>50<w< td=""><td>50:1U</td><td>50&lt;4</td><td>50K¥</td><td>50&lt;</td></w<></td></u<>	1 (W	100/19	50 <w< td=""><td>50:1U</td><td>50&lt;4</td><td>50K¥</td><td>50&lt;</td></w<>	50:1U	50<4	50K¥	50<

		carlett		₹,	77	70	70	• • •	44	40	47	
	FLOW	34 24RP	35 DICA	36 PICL	37 SILV	38 HCB	39 234	40 2345	41 2358	42 245	43 2 <b>4</b> 6	74 0000
: Date and Time	n3/s	ns/L	ns/L	ns/L	ng/L	ng/L	ns/L	ua\/F	ns/L	ng/L	ng/L	nd/L
22/11/82 02:20	16.23	100 <w< td=""><td>100 (W</td><td>100&lt;4</td><td>50 (N</td><td>1 &lt;님</td><td>100 (W</td><td> 50&lt;¥</td><td> 50&lt;ม</td><td>504¥</td><td>SOCU</td><td>50/1</td></w<>	100 (W	100<4	50 (N	1 <님	100 (W	 50<¥	 50<ม	504¥	SOCU	50/1
22/11/82 11:00		100 <w< td=""><td>100<w< td=""><td>100 ⟨₩</td><td>50 U</td><td>1.04</td><td>100<w< td=""><td>50<n< td=""><td>50 (W</td><td>50<w< td=""><td>50 14</td><td>50 °¥</td></w<></td></n<></td></w<></td></w<></td></w<>	100 <w< td=""><td>100 ⟨₩</td><td>50 U</td><td>1.04</td><td>100<w< td=""><td>50<n< td=""><td>50 (W</td><td>50<w< td=""><td>50 14</td><td>50 °¥</td></w<></td></n<></td></w<></td></w<>	100 ⟨₩	50 U	1.04	100 <w< td=""><td>50<n< td=""><td>50 (W</td><td>50<w< td=""><td>50 14</td><td>50 °¥</td></w<></td></n<></td></w<>	50 <n< td=""><td>50 (W</td><td>50<w< td=""><td>50 14</td><td>50 °¥</td></w<></td></n<>	50 (W	50 <w< td=""><td>50 14</td><td>50 °¥</td></w<>	50 14	50 °¥
TATION ‡7 Humber R	liver @ L											
		34	35	36	37	39	39	40	41	42	43	44
A Data and Tina	FLOW m3/s	24DP	DICA ns/L	PICL	SILV ng/L	HCB n⊴/L	234 ng/L	23 15 ns/L	2356 ns/L	245 ns/L	246 ns/L	nort no/L
Date and Time	13/5	ua/F	115/6	ng/L	1187 L	1127L	1137 L		115/L	(15/ L	112/ L	
2 22/11/82 01:30		100<₩	100<₩	170	50<₩	1<₩	100 <w< td=""><td>50&lt;¥</td><td>50 (W</td><td>50 (1</td><td>50:19</td><td>50%</td></w<>	50<¥	50 (W	50 (1	50:19	50%
6 22/11/82 10:30 	16.89	100 <w< td=""><td>100≦⊌</td><td>100KW</td><td>50 (W</td><td>1 14</td><td>100~W</td><td>50:(ม </td><td>50K¥</td><td>50&lt;₩ </td><td>50/¥</td><td>50/L</td></w<>	100≦⊌	100KW	50 (W	1 14	100~W	50:(ม 	50K¥	50<₩ 	50/¥	50/L
STATION #8 West Hum	aber 0 Ma			7,	77	32	39	40	41	42	<b>43</b>	44
	FLOW	34 24DP	35 DICA	36 PICL	37 SILV	HCS	234	40 2345	2353	44 245	73 248	9091
# Date and Time	#3/s	ng/L	ng/L	ns/L	ns/L	ns/L	ns/L	ng/L	ns/L	ns/L	n≊/L	55/1
2 22/11/82 03:30		100<₩	100 <w< td=""><td>100&lt;</td><td>50&lt;#</td><td>1&lt;및</td><td>100 🖫</td><td>50&lt;9</td><td>50KW</td><td>50K¥</td><td>50 4</td><td>50%</td></w<>	100<	50<#	1<및	100 🖫	50<9	50KW	50K¥	50 4	50%
6 22/11/82 12:30	4.48	100<4	100<¥	100<₩	50 <w< td=""><td>14₩</td><td>100&lt;4</td><td>50&lt;¥</td><td>50 (W</td><td>50<u< td=""><td>5044</td><td>50 €.</td></u<></td></w<>	14₩	100<4	50<¥	50 (W	50 <u< td=""><td>5044</td><td>50 €.</td></u<>	5044	50 €.
STATION 19 Main Hum	nhor @ We	set Humbi	20									
STATION #9 Main Hu	шрег € 46	est Humbi 34	er 35	36	37	38	30	40	41	42	43	44
STATION ‡9 Main Huu	mber @ We FLOW			36 PICL	37 SILV	38 HCB	39 234	40 2345	41 235 <i>6</i>	42 245	43 246	PCPI
		34	35				-					
# Date and Time 	FLOW m3/s 4.61	34 24DP ns/L 100 <w< td=""><td>35 DICA</td><td>PICL ng/L 100<w< td=""><td>Da/r SIFA</td><td>HCB ng/L 1 (¥</td><td>234 ns/L 100<w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCP! na /! 504!</td></w<></td></w<></td></w<>	35 DICA	PICL ng/L 100 <w< td=""><td>Da/r SIFA</td><td>HCB ng/L 1 (¥</td><td>234 ns/L 100<w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCP! na /! 504!</td></w<></td></w<>	Da/r SIFA	HCB ng/L 1 (¥	234 ns/L 100 <w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCP! na /! 504!</td></w<>	2345 na/L 50<¥	2356 ng/L 50KW	245 ns/L 50/U	246 ns/L 50/U	PCP! na /! 504!
# Date and Time 	FLOW m3/s 4.61	34 24DP ng/L	35 DICA n≤/L	PICL ng/L	ua/F	HCB ng/L	234 ns/L	2345 na/L	2356 na/L	245 ns/L	246 ns/L	PCPI
# Date and Time 2 21/11/82 12:30 6 22/11/82 12:30	FLOW m3/s 4.61	34 24DP ns/L 100 <w< td=""><td>35 DICA n≤/L 100<w< td=""><td>PICL ng/L 100<w< td=""><td>Da/r SIFA</td><td>HCB ng/L 1 (¥</td><td>234 ns/L 100<w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCPI na /! 504</td></w<></td></w<></td></w<></td></w<>	35 DICA n≤/L 100 <w< td=""><td>PICL ng/L 100<w< td=""><td>Da/r SIFA</td><td>HCB ng/L 1 (¥</td><td>234 ns/L 100<w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCPI na /! 504</td></w<></td></w<></td></w<>	PICL ng/L 100 <w< td=""><td>Da/r SIFA</td><td>HCB ng/L 1 (¥</td><td>234 ns/L 100<w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCPI na /! 504</td></w<></td></w<>	Da/r SIFA	HCB ng/L 1 (¥	234 ns/L 100 <w< td=""><td>2345 na/L 50&lt;¥</td><td>2356 ng/L 50KW</td><td>245 ns/L 50/U</td><td>246 ns/L 50/U</td><td>PCPI na /! 504</td></w<>	2345 na/L 50<¥	2356 ng/L 50KW	245 ns/L 50/U	246 ns/L 50/U	PCPI na /! 504
# Date and Time 2 21/11/82 12:30 6 22/11/82 12:30	FLOW m3/s 4.61 7.72	34 24DP ns/L 100 <w 100<w< td=""><td>35 DICA ns/L 100<w 100<w< td=""><td>FICL ng/L 100<w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP) na // 504 504</td></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w 	35 DICA ns/L 100 <w 100<w< td=""><td>FICL ng/L 100<w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP) na // 504 504</td></w<></w </td></w<></w </td></w<></w </td></w<></w 	FICL ng/L 100 <w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP) na // 504 504</td></w<></w </td></w<></w </td></w<></w 	SILV ns/L 50 <w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP) na // 504 504</td></w<></w </td></w<></w 	HCB ng/L 1 (W 1 (W	234 ns/L 100 <w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP) na // 504 504</td></w<></w 	2345 ns/L 50 <w 50 (W</w 	2354 ng/L 50KW 30KW	245 ns/L 50/U 50/U	246 ns/L 50KW 50KW	PCP) na // 504 504
# Date and Time 	FLOW #3/s 4.61 7.72 River @	34 24DP ns/L 1004W 1004W Steeles 34	35 DICA ns/L 100 <w 100<w Ave. 35</w </w 	FICL ng/L 100 <u 100<u< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 1004W 1004W</td><td>2345 ns/L 50<w 50%W</w </td><td>2358 ns/L 50KW 50KW</td><td>245 r.s/L 50/U 50/U 42</td><td>246 ns/L 50KU 50KU 43</td><td>PCP) nd // 50/4 50/4</td></w<></w </td></u<></u 	SILV ns/L 50 <w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 1004W 1004W</td><td>2345 ns/L 50<w 50%W</w </td><td>2358 ns/L 50KW 50KW</td><td>245 r.s/L 50/U 50/U 42</td><td>246 ns/L 50KU 50KU 43</td><td>PCP) nd // 50/4 50/4</td></w<></w 	HCB ng/L 1 (W 1 (W	234 ns/L 1004W 1004W	2345 ns/L 50 <w 50%W</w 	2358 ns/L 50KW 50KW	245 r.s/L 50/U 50/U 42	246 ns/L 50KU 50KU 43	PCP) nd // 50/4 50/4
# Date and Time 2 21/11/82 12:30 6 22/11/82 12:30	FLOW m3/s 4.61 7.72	34 24DP ns/L 100 <w 100<w< td=""><td>35 DICA ns/L 100<w 100<w< td=""><td>FICL ng/L 100<w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP! na /! 504!</td></w<></w </td></w<></w </td></w<></w </td></w<></w </td></w<></w 	35 DICA ns/L 100 <w 100<w< td=""><td>FICL ng/L 100<w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP! na /! 504!</td></w<></w </td></w<></w </td></w<></w </td></w<></w 	FICL ng/L 100 <w 100<w< td=""><td>SILV ns/L 50<w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP! na /! 504!</td></w<></w </td></w<></w </td></w<></w 	SILV ns/L 50 <w 50<w< td=""><td>HCB ng/L 1 (W 1 (W</td><td>234 ns/L 100<w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP! na /! 504!</td></w<></w </td></w<></w 	HCB ng/L 1 (W 1 (W	234 ns/L 100 <w 100<w< td=""><td>2345 ns/L 50<w 50 (W</w </td><td>2354 ng/L 50KW 30KW</td><td>245 ns/L 50/U 50/U</td><td>246 ns/L 50KW 50KW</td><td>PCP! na /! 504!</td></w<></w 	2345 ns/L 50 <w 50 (W</w 	2354 ng/L 50KW 30KW	245 ns/L 50/U 50/U	246 ns/L 50KW 50KW	PCP! na /! 504!
# Date and Time 2 21/11/82 12:30 6 22/11/82 12:30 STATION #10 Humber	FLOW #3/s 4.61 7.72 River @ FLOW #3/s	34 24DP ns/L 100 <w 100<w Steeles 34 24DP</w </w 	35 DICA ns/L 100 <w 100<w Ave. 35 DICA</w </w 	PICL ng/L 100 <w 100<w 26 PICL</w </w 	SILV ns/L 50 <w 50<w 37 SILV</w </w 	HCB ns/L 1 (W 1 (W 1 (W	234 ns/L 100 W 100 W	2345 ns/L 50 kW 50 kW 40 2345	2358 ns/L 50KW 30KW 41 2356	245 n≤/L 50/H 50/H 42 245	246 ns/L 5049 5049 43 246	PCP! nd /! 504! 504! 504!

STATION #11 Black C	FLOW	34 24DF	35 DICA	36 PICL	37 SILV	38 HCP	39 234	40 2345	41 2356	42 245	13 246	44 PCPH
₽ Pate and Time	<b>n</b> 3/s	ng/L	ns/L	na/L	ns/L	ns/L	ng/L	ns/L	ns/L	ng./L	na/L	ಗತ/L
21/11/82 11:50	1.39	100 <w< td=""><td>100&lt;₩</td><td>100⊴₩</td><td>50<w< td=""><td>1&lt;₩</td><td>1004W</td><td>50:(¥</td><td>50KW</td><td>50/1</td><td>50·W</td><td>140</td></w<></td></w<>	100<₩	100⊴₩	50 <w< td=""><td>1&lt;₩</td><td>1004W</td><td>50:(¥</td><td>50KW</td><td>50/1</td><td>50·W</td><td>140</td></w<>	1<₩	1004W	50:(¥	50KW	50/1	50·W	140
4 21/11/82 15:00	1.39	100<₩	100⟨₩	100<₩	50 W	1 14	100 14	50 IN	50 1W	50/4	50·W	225





		P 1